

FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

PATENT DOCKET NO.  
42.5340005/BJD/JKMAPPLICATION NO.  
10/792,035APPLICANTS  
Chesnut *et al.*FILING DATE  
March 4, 2004ART UNIT  
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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
JK	AA1	4,626,505	12/02/1986	Falco			02/24/1984
	AB1	4,673,640	06/16/1987	Backman			04/30/1984
	AC1	4,683,195	07/28/1987	Mullis <i>et al.</i>			02/07/1986
	AD1	4,683,202	07/28/1987	Mullis			10/25/1985
	AE1	4,743,546	05/10/1988	Backman <i>et al.</i>			04/29/1987
	AF1	4,808,537	02/28/1989	Stroman <i>et al.</i>			10/30/1984
	AG1	4,855,231	08/08/1989	Stroman <i>et al.</i>			09/25/1985
	AH1	4,959,217	09/25/1990	Sanders <i>et al.</i>			05/22/1986
	AI1	4,959,317	09/25/1990	Sauer			06/17/1987
	AJ1	4,965,188	10/23/1990	Mullis <i>et al.</i>			11/01/1989
	AK1	5,093,257	03/03/1992	Gray			05/26/1989

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
JK	AL1	EP 0 160 571	11/06/1985	Europe			Yes
	AM1	EP 0 220 009	04/29/1987	Europe			No
	AN1	EP 0 300 422	01/25/1989	Europe			Yes
	AO1	WO 90/11375	10/04/1990	WIPO			No
	AP1	WO 91/02801	03/07/1991	WIPO			Yes
							No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

JK	AR	1	Abremski, K., <i>et al.</i> , "Bacteriophage P1 Cre-loxP Site-specific Recombination: Site-specific DNA Topoisomerase Activity of the Cre Recombination Protein," <i>J. Biol. Chem.</i> 261:391-396, American Society for Biochemistry and Molecular Biology (1986)
	AS	1	Abremski, K., and Hoess, R., "Bacteriophage P1 Site-specific Recombination. Purification and Properties of the Cre Recombinase Protein," <i>J. Biol. Chem.</i> 259:1509-1514, American Society for Biochemistry and Molecular Biology (1984)
	AT	1	Abremski, K., <i>et al.</i> , "Studies on the Properties of P1 Site-Specific Recombination: Evidence for Topologically Unlinked Products Following Recombination," <i>Cell</i> 32:1301-1311, Cell Press (1993)

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
JK	AA2	5,102,797	04/07/1992	Tucker <i>et al.</i>			01/19/1990
	AB2	5,159,062	10/27/1992	Knapp <i>et al.</i>			10/01/1990
	AC2	5,227,288	07/13/1993	Blattner			01/09/1991
	AD2	5,286,632	02/15/1994	Jones			07/16/1992
	AE2	5,334,375	08/02/1994	Nabi <i>et al.</i>			10/15/1993
	AF2	5,334,575	08/02/1994	Noonan <i>et al.</i>			12/17/1992
	AG2	5,348,886	09/20/1994	Lee <i>et al.</i>			09/04/1992
	AH2	5,354,668	10/11/1994	Auerbach			09/29/1992
	AI2	5,378,618	01/03/1995	Sternberg <i>et al.</i>			03/15/1994
	AJ2	5,434,066	07/18/1995	Bebbe <i>et al.</i>			12/21/1993
	AK2	5,470,727	11/28/1995	Mascarenhas <i>et al.</i>			01/29/1993

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
JK	AL2	EP 0 427 074	05/15/1991	Europe			Yes No
	AM2	WO 91/09957	07/11/1991	WIPO			Yes No
	AN2	WO 91/16427	10/31/1991	WIPO			Yes No
	AO2	WO 92/15694	09/17/1992	WIPO			Yes No
	AP2	WO 92/20791	11/26/1992	WIPO			Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

JK	AR	2	Abremski, K., and Gottesman, S., "Purification of the Bacteriophage $\lambda$ <i>xis</i> Gene Product Required for $\lambda$ Excisive Recombination," <i>J. Biol. Chem.</i> 257:9658-9662, American Society for Biochemistry and Molecular Biology (1982)
	AS	2	Adams, D.E., <i>et al.</i> , "Cre-lox Recombination in <i>Escherichia coli</i> Cells: Mechanistic Differences from the <i>in Vitro</i> Reaction," <i>J. Mol. Biol.</i> 226:661-673, Academic Press (1992)
	AT	2	Akagi, K., <i>et al.</i> , "Cre-mediated somatic site-specific recombination in mice," <i>Nucl. Acids Res.</i> 25:1766-1773, Oxford University Press (May 1997)

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
JK	AA3	5,527,695	06/18/1996	Hodges <i>et al.</i>			02/03/1995
	AB3	5,591,609	01/07/1997	Auerbach			02/17/1994
	AC3	5,605,793	02/25/1997	Stemmer			09/26/1995
	AD3	5,614,389	03/25/1997	Auerbach			01/20/1995
	AE3	5,635,381	06/03/1997	Hooykaas <i>et al.</i>			06/07/1995
	AF3	5,650,308	07/22/1997	Baum			06/07/1995
	AG3	5,650,557	07/22/1997	Hannah <i>et al.</i>			07/27/1994
	AH3	5,654,182	08/05/1997	Wahl <i>et al.</i>			06/07/1995
	AI3	5,658,772	08/19/1997	Odell <i>et al.</i>			03/02/1994
	AJ3	5,677,170	10/14/1997	Devine <i>et al.</i>			06/07/1995
	AK3	5,677,177	10/14/1997	Wahl <i>et al.</i>			07/29/1996

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
JK	AL3	WO 92/22650	12/23/1992	WIPO			Yes
							No
	AM3	EP 0 542 466	05/19/1993	Europe			Yes
							No
	AN3	WO 93/15191	08/05/1993	WIPO			Yes
							No
	AO3	WO 93/19172	09/30/1993	WIPO			Yes
							No
	AP3	CA 2,141,412	02/17/1994	Canada			Yes
							No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

JK	AR	3	Aladjem, M.I., <i>et al.</i> , "Positive Selection of FLP-Mediated Unequal Sister Chromatid Exchange Products in Mammalian Cells," <i>Mol. Cell. Biol.</i> 17:857-861, American Society for Microbiology (February 1997)
	AS	3	Albert, H., <i>et al.</i> , "Site-specific Integration of DNA into wild-type and mutant <i>lox</i> sites placed in the plant genome," <i>Plant J.</i> 7:649-659, Blackwell Science Ltd. (1995)
	AT	3	Andrews, B.J., <i>et al.</i> , "The FLP Recombinase of the 2 $\mu$ Circle DNA of Yeast: Interaction with Its Target Sequences," <i>Cell</i> 40:795-803, Cell Press (1985)
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JK	AA4	5,710,248	01/20/1998	Grose			06/07/1995
	AB4	5,723,765	03/03/1998	Oliver <i>et al.</i>			03/02/1995
	AC4	5,728,551	03/17/1998	Devine <i>et al.</i>			02/01/1996
	AD4	5,733,733	03/31/1998	Auerbach			06/10/1996
	AE4	5,733,743	03/31/1998	Johnson <i>et al.</i>			03/08/1996
	AF4	5,744,336	04/28/1998	Hodges <i>et al.</i>			02/13/1985
	AG4	5,766,891	06/16/1998	Shuman			12/19/1994
	AH4	5,776,449	07/07/1998	Baum <i>et al.</i>			09/20/1996
	AI4	5,801,030	09/01/1998	McVey <i>et al.</i>			09/01/1995
	AJ4	5,814,300	09/29/1998	Scott <i>et al.</i>			03/03/1995
	AK4	5,830,707	11/03/1998	Bushman			06/05/1995

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
JK	AL4	WO 94/03624	02/17/1994	WIPO			Yes
							No
	AM4	WO 94/09127	04/28/1994	WIPO			Yes
							No
	AN4	WO 94/17176	08/04/1994	WIPO			Yes
							No
	AO4	WO 94/18333	08/18/1994	WIPO			Yes
							No
	AP4	WO 95/00555	01/05/1995	WIPO			Yes
							No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

JK	AR	4	Andrews, B.J., <i>et al.</i> , "Interaction of the FLP Recombinase of the <i>Saccharomyces cerevisiae</i> 2 $\mu$ m Plasmid with Mutated Target Sequences," <i>Mol. Cell. Biol.</i> 6:2482-2489, American Society for Microbiology (1986)
	AS	4	Angelastro, J.M., <i>et al.</i> , "Identification of diverse nerve growth factor-regulated genes by serial analysis of gene expression (SAGE) profiling," <i>Proc. Natl. Acad. Sci. USA</i> 97:10424-10429, National Academy of Sciences (September 2000)
	AT	4	Angrand, P.O., <i>et al.</i> , "Inducible expression based on regulated recombination: a single vector strategy for stable expression in cultured cells," <i>Nucl. Acids Res.</i> 26:3263-3269, Oxford University Press (July 1998)
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
JK	AA5	5,837,242	11/17/1998	Holliger <i>et al.</i>			05/14/1996
	AB5	5,837,458	11/17/1998	Minshull <i>et al.</i>			05/20/1996
	AC5	5,843,772	12/01/1998	Devine <i>et al.</i>			11/18/1994
	AD5	5,851,808	12/22/1998	Elledge <i>et al.</i>			02/28/1997
	AE5	5,858,657	01/12/1999	Winter <i>et al.</i>			06/07/1995
	AF5	5,871,907	02/16/1999	Winter <i>et al.</i>			03/31/1994
	AG5	5,874,259	02/23/1999	Szybalski			11/21/1997
	AH5	5,888,732	03/30/1999	Hartley <i>et al.</i>			06/07/1996
	AI5	5,916,804	06/29/1999	Bushman			04/17/1998
	AJ5	5,919,676	07/06/1999	Graham <i>et al.</i>			06/07/1995
	AK5	5,928,914	07/27/1999	Leboulch <i>et al.</i>			11/05/1996

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
JK	AL5	WO 96/04393	02/19/1996	WIPO			Yes
							No
	AM5	WO 96/19497	06/27/1996	WIPO			Yes
							No
	AN5	WO 96/30498	10/03/1996	WIPO			Yes
							No
	AO5	WO 96/40722	12/19/1996	WIPO			Yes
							No
	AP5	WO 96/40724	12/19/1996	WIPO			Yes
							No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
JK 	AR	5	Anton, M., and Graham, F.L., "Site-Specific Recombination Mediated by an Adenovirus Vector Expressing the Cre Recombinase Protein: a Molecular Switch for Control of Gene Expression," <i>J. Virol.</i> 69:4600-4606, American Society for Microbiology (1995)
	AS	5	Araki, H., <i>et al.</i> , "Site-specific Recombinase, R, Encoded by Yeast Plasmid pSR1," <i>J. Mol. Biol.</i> 225:25-37, Academic Press, Inc., New York, NY (1992)
	AT	5	Astumian, J.H., <i>et al.</i> , "Site-specific recombination between cloned attP and attB sites from the Haemophilus influenza bacteriophage HP1 propagated in recombination deficient <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 171:1747-1750, American Society for Microbiology (1989)
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JK	AA6	5,929,307	07/27/1999	Hodges <i>et al.</i>			12/20/1996
	AB6	5,962,255	10/05/1999	Griffiths <i>et al.</i>			12/05/1994
	AC6	5,981,177	11/09/1999	Demirjian <i>et al.</i>			01/25/1995
	AD6	5,989,872	11/22/1999	Luo <i>et al.</i>			08/12/1997
	AE6	6,010,884	01/04/2000	Griffiths <i>et al.</i>			05/29/1996
	AF6	6,040,430	03/21/2000	Stewart			12/26/1995
	AG6	6,066,778	05/23/2000	Ginsburg, <i>et al.</i>			11/06/1996
	AH6	6,063,627	06/16/2000	McVey <i>et al.</i>			02/25/1998
	AI6	6,080,576	06/27/2000	Zambrowicz, <i>et al.</i>			04/08/1998
	AJ6	6,143,557	11/07/2000	Hartley <i>et al.</i>			01/20/1999
	AK6	6,171,861	01/09/2001	Hartley <i>et al.</i>			01/12/1998

## FOREIGN PATENT DOCUMENTS

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JK	AL6	WO 97/06265	02/20/1997	WIPO			Yes No
JK	AM6	WO 97/09436	03/13/1997	WIPO			Yes No
JK	AN6	WO 97/25446	07/17/1997	WIPO			Yes No
JK	AO6	WO 97/32481	09/12/1997	WIPO			Yes No
JK	AP6	WO 98/10086	03/12/1998	WIPO			Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

JK	AR	<u>6</u>	Atlung, T., <i>et al.</i> , "A versatile method for integration of genes and gene fusions into the $\lambda$ attachment site of <i>Escherichia coli</i> ," <i>Gene</i> 107:11-17, Elsevier Science (1991)	
	AS	<u>6</u>	Ausubel, F.M., <i>et al.</i> , "Maps of Plasmids pBR322 and pUC19," in <i>Short Protocols in Molecular Biology, Third Edition</i> , John Wiley & Sons, Inc., Boston, MA, pp. 1.12-1.13 (1995)	
	AT	<u>6</u>	Ayres, E.K., <i>et al.</i> , "Precise Deletions in Large Bacterial Genomes by Vector-mediated Excision (VEX) The <i>trfA</i> Gene of Promiscuous Plasmid RK2 is Essential for Replication in Several Gram-negative Hosts," <i>J. Mol. Biol.</i> 230:174-185, Academic Press (1993)	
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JK	AA7	6,225,121	05/01/2001	Savakis, C. <i>et al.</i>			04/27/1998
	AB7	6,262,341	07/17/2001	Baszczynski <i>et al.</i>			11/17/1998
	AC7	6,270,969	08/07/2001	Hartley <i>et al.</i>			01/20/1999
	AD7	6,271,436	08/07/2001	Piedrahita <i>et al.</i>			10/10/1997
	AE7	6,277,608	08/21/2001	Hartley <i>et al.</i>			04/22/1999
	AF7	2002/0007051	01/17/2002	Cheo <i>et al.</i>			12/11/2000
	AG7	6,361,972	03/26/2002	Harrington <i>et al.</i>			01/10/2000
	AH7	6,365,377	04/02/2002	Patten <i>et al.</i>			03/03/2000
	AI7	2002/0068290	06/06/2002	Yarovinsky			05/31/2001
	AJ7	6,410,266	06/25/2002	Harrington <i>et al.</i>			01/07/2000
	AK7	6,410,317	06/25/2002	Farmer			07/14/2000

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JK	AL7	WO 98/53056	11/26/1998	WIPO			X Yes No
JK	AM7	WO 99/10488	03/04/1999	WIPO			Yes No
JK	AN7	WO 99/21977	05/06/1999	WIPO			Yes No
JK	AO7	WO 99/25851	05/27/1999	WIPO			X Yes No
JK	AP7	WO 99/55851	11/04/1999	WIPO			Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	2	Babineau, D., <i>et al.</i> , "The FLP Protein of the 2-micron Plasmid of Yeast," <i>J. Biol. Chem.</i> 260:12313-12391, American Society for Biochemistry and Molecular Biology, Inc. (1985)
	AS	2	Backman, K., <i>et al.</i> , "Use of Synchronous Site-Specific Recombination <i>In Vivo</i> to Regulate Gene Expression," <i>BioTechnology</i> 2:1045-1049 (1984)
	AT	2	Bai, C., <i>et al.</i> , "SKP1 Connects Cell Cycle Regulators to the Ubiquitin Proteolysis Machinery through a Novel Motif, the F-Box," <i>Cell</i> 86:263-274, Cell Press (July 1996)

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JK	AA8	2002/0094574	07/18/2002	Hartley <i>et al.</i>			05/16/2001
	AB8	2002/0106797	08/08/2002	Miles <i>et al.</i>			03/12/2001
	AC8	6,436,707	08/20/2002	Zambrowicz <i>et al.</i>			03/25/1999
	AD8	2002/0172997	11/21/2002	Hartley <i>et al.</i>			07/19/2001
	AE8	2002/0182731	12/05/2002	Ji <i>et al.</i>			01/25/2002
	AF8	2002/0192819	12/19/2002	Hartley <i>et al.</i>			07/19/2001
	AG8	2003/0027289	02/06/2003	Farmer			04/05/2002
	AH8	2003/0027337	02/06/2003	Droge <i>et al.</i>			02/25/2002
	AI8	2003/0054552	03/20/2003	Hartley <i>et al.</i>			01/30/2002
	AJ8	2003/0054555	03/20/2003	Farmer <i>et al.</i>			09/17/2002
	AK8	2003/0059900	03/27/2003	Farmer			01/17/2002

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JK	AL8	WO 00/12687	03/09/2000	WIPO			Yes No
JK	AM8	EP 1 035 208	09/13/2000	Europe			Yes No
JK	AN8	WO 00/60091	10/12/2000	WIPO			Yes No
JK	AO8	WO 01/05961	01/25/2001	WIPO			Yes No
JK	AP8	WO 01/07572	02/01/2001	WIPO			Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

JK	AR	§	Balakrishnan, R., <i>et al.</i> , "A gene cassette for adapting <i>Escherichia coli</i> strains as hosts for <i>att</i> -Int-mediated rearrangement and $p_L$ expression vectors," <i>Gene</i> 138:101-104, Elsevier Science (January 1994)
	AS	§	Ball, C.A., and Johnson, R.C., "Efficient Excision of Phage $\lambda$ from the <i>Escherichia coli</i> Chromosome Requires the Fis Protein," <i>J. Bacteriol.</i> 173: 4027-4031, American Society for Microbiology (July 1991)
	AT	§	Barnes, G., and Rine, J., "Regulated expression of endonuclease <i>EcoRI</i> in <i>Saccharomyces cerevisiae</i> : Nuclear entry and biological consequences," <i>Proc. Natl. Acad. Sci. USA</i> 82: 1354-1358, National Academy of Sciences (1985)

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
JK	AA9	2003/0064515	04/03/2003	Hartley <i>et al.</i>			01/30/2002
	AB9	2003/0068799	04/10/2003	Hartley <i>et al.</i>			06/06/2002
	AC9	2003/0077804	04/24/2003	Byrd <i>et al.</i>			04/19/2002
	AD9	2003/0100110	05/29/2003	Hartley <i>et al.</i>			11/02/1999
	AE9	2003/0124555	07/03/2003	Brasch <i>et al.</i>			05/21/2002
	AF9	2003/0153055	08/14/2003	Miles <i>et al.</i>			02/20/2003
	AG9	2003/0157662	08/21/2003	Gerard <i>et al.</i>			11/13/2002
	AH9	2003/0157716	08/21/2003	Hartley <i>et al.</i>			11/02/2001
	AI9	2003/0175970	09/18/2003	Hartley <i>et al.</i>			11/21/2002
	AJ9	2003/0176644	09/18/2003	Byrd <i>et al.</i>			02/07/2002
	AK9	2003/0186233	10/02/2003	Chesnut <i>et al.</i>			12/07/2001

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
JK	AL9	WO 01/11058	02/15/2001	WIPO			Yes No
	AM9	WO 01/31039	05/03/2001	WIPO			Yes No
	AN9	WO 01/62892	08/30/2001	WIPO			Yes No
	AO9	WO 02/00875	01/03/2002	WIPO			Yes No
	AP9	WO 02/05294	01/17/2002	WIPO			Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

JK	AR	2	Bauer, C.E., <i>et al.</i> , "Extent of Sequence Homology Required for Bacteriophage Lambda Site-specific Recombination," <i>J. Mol. Biol.</i> 181:187-197, Academic Press Inc. (1985)
	AS	2	Bayley, C.C., <i>et al.</i> , "Exchange of gene activity in transgenic plants catalyzed by the Cre-lox site specific recombination system," <i>Plant Mol. Biol.</i> 18:353-361, Dordrecht Kluwer Academic (1992)
	AT	2	Bernard, P., and Couturier, M., "Cell Killing by the F plasmid Ccdd Protein Involves Poisoning of DNA-topoisomerase II Complexes," <i>J. Mol. Biol.</i> 226:735-745, Academic Press, Inc. (1992)

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ATTY. DOCKET NO.  
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JK	AA10	2003/0220249	11/27/2003	Hackett <i>et al.</i>			02/07/2003
	AB10	2004/0040053	02/26/2004	Nomura <i>et al.</i>			11/22/2002
	AC10	2004/0053412	03/18/2004	Hartley <i>et al.</i>			03/26/2003
	AD10	2004/0063207	04/01/2004	Hartley <i>et al.</i>			10/08/2003
	AE10	6,720,140	04/13/2004	Hartley <i>et al.</i>			02/04/2000
	AF10	2004/0171156	09/02/2004	Hartley <i>et al.</i>			04/02/2004
	AG10	2004/0171157	09/02/2004	Hartley <i>et al.</i>			04/08/2004
	AH10	2004/0219516	11/04/2004	Bennett <i>et al.</i>			07/18/2003
	AI10	2004/0219673	11/04/2004	Hartley <i>et al.</i>			03/10/2004
	AJ10	2004/0229229	11/18/2004	Cheo <i>et al.</i>			08/14/2003
	AK10	2004/0253631	12/16/2004	Hartley <i>et al.</i>			07/19/2004

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
JK	AL10	WO 02/08391	01/31/2002	WIPO			Yes No
JK	AM10	WO 02/16594	02/28/2002	WIPO			Yes No
JK	AN10	WO 02/061034	08/08/2002	WIPO			Yes No
JK	AO10	WO 03/025161	03/27/2003	WIPO			Yes No
JK	AP10	WO 03/103600	12/18/2003	WIPO			Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

JK	AR	10	Bernard, P., "Positive Selection of Recombinant DNA by CcdB," <i>BioTechniques</i> 21:320-323, Eaton Publishing Company (1996)
	AS	10	Bernard, P. <i>et al.</i> , "The F Plasmid CcdB Protein Induces Efficient ATP-dependent DNA Cleavage by Gyrase," <i>J. Mol. Biol.</i> 234:534-541, Academic Press, Inc. (1993)
	AT	10	Bernard, P., <i>et al.</i> , "Positive selection of vectors using the F plasmid <i>ccdB</i> killer gene," <i>Gene</i> 148: 71-74, Elsevier Science (1994)

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<u>1</u>	AB11	2005/0009091	01/13/2005	Hartley <i>et al.</i>			08/19/2004
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

JK	AR	<u>11</u>	Bethke, B., and Sauer, B., "Segmental genomic replacement by Cre-mediated recombination: genotoxic stress activation of the p53 promoter in single-copy transformants," <i>Nucl. Acids Res.</i> 25:2828-2834, Oxford University Press (1997)
JK	AS	<u>11</u>	Betz, U.A.K., <i>et al.</i> , "Bypass of lethality with mosaic mice generated by Cre-loxP-mediated recombination," <i>Curr. Biol.</i> 6:1307-1316, Current Biology Ltd. (October 1996)
JK	AT	<u>11</u>	Bhandari, P., and Gowrishankar, J., "An <i>Escherichia coli</i> host strain useful for efficient overproduction of cloned gene products with NaCl as the inducer," <i>J. Bacteriol</i> 179:4403-4406, American Society for Microbiology (July 1997)

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	AM						Yes
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	AN						Yes
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	AO						Yes
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	AP						Yes
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**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

JK	AR	<u>12</u>	Black, L.W., "In vitro packaging into phage T4 particles and specific recircularization of phage lambda DNAs," <i>Gene</i> 46:97-101, Elsevier Science (1986)
JK	AS	<u>12</u>	Bloch, C.A., <i>et al.</i> , "Purification of <i>Escherichia coli</i> Chromosomal Segments without Cloning," <i>Biochem. Biophys. Res. Comm.</i> 223:104-111, Academic Press, Inc. (1996)
JK	AT	<u>12</u>	Bochner, B.R., <i>et al.</i> , "Positive Selection for Loss of Tetracycline Resistance," <i>J. Bacteriol.</i> 143:926-933, American Society for Microbiology (1980)

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	AN						Yes No
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**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

JK	AR	<u>13</u>	Boshart, M., <i>et al.</i> , "A Very Strong Enhancer is Located Upstream of an Immediate Early Gene of Human Cytomegalovirus," <i>Cell</i> 41:521-530, MIT (1985)
JK	AS	<u>13</u>	Bouhassira, E.E., <i>et al.</i> , "Transcriptional Behavior of LCR Enhancer Elements Integrated at the Same Chromosomal Locus by Recombinase-Mediated Cassette Exchange," <i>Blood</i> 90:3332-3344, The American Society of Hematology (November 1997)
JK	AT	<u>13</u>	Boyd, A.C., "Turbo cloning: a fast, efficient method for cloning PCR products and other blunt-ended DNA fragments into plasmids," <i>Nucl. Acids Res.</i> 21:817-821, Oxford University Press (1993)

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	AN						Yes No
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JK	AR	<u>14</u>	Brent, R., and Ptashne, M., "A bacterial repressor protein or a yeast transcriptional terminator can block upstream activation of a yeast gene," <i>Nature</i> 312: 612-615, Macmillan Journals Ltd. (1984)
JK	AS	<u>14</u>	Broach, J. R., <i>et al.</i> , "Recombination within the Yeast Plasmid 2 $\mu$ Circle is Site-Specific," <i>Cell</i> 29:227-234, Cell Press (1982)
JK	AT	<u>14</u>	Bruckner, R.C., and Cox, M.M., "The Histone-like H Protein of <i>Escherichia coli</i> is a ribosomal protein s3," <i>Nucl. Acids Res.</i> 17:3145-3161 (1989)

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	AN						Yes No
	AO						Yes No
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JK	AR	<u>15</u>	Brunelli, J.P., and Pall, M.L., "Lambda/Plasmid Vector Construction by <i>In Vivo cre/lox</i> -Mediated Recombination," <i>BioTechniques</i> 16:1061-1064, Eaton Publishing Company (June 1994)
JK	AS	<u>15</u>	Brunelli, J.P. and Pall, M.L., "A Series of Yeast/ <i>Escherichia coli</i> $\lambda$ Expression Vectors Designed for Directional Cloning of cDNAs and <i>cre/lox</i> -Mediated Plasmid Excision," <i>Yeast</i> 9:1309-1318, John Wiley (1993)
JK	AT	<u>15</u>	Bubeck, P., <i>et al.</i> , "Rapid cloning by homologous recombination <i>in vivo</i> ," <i>Nucl. Acids Res.</i> 21:3601-3602, Oxford University Press (1993)

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	AN						Yes No
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	AP						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

JK	AR	<u>16</u>	Buchholz, F., <i>et al.</i> , "A simple assay to determine the functionality of Cre or FLP recombination targets in genomic manipulation constructs," <i>Nucl. Acids Res.</i> 24:3118-3119, Oxford University Press (1996)
JK	AS	<u>16</u>	Buchholz, F., <i>et al.</i> , "Different thermostabilities of FLP and Cre recombinases: implications for applied site-specific recombination," <i>Nucl. Acids Res.</i> 24:4256-4262, Oxford University Press (1996)
JK	AT	<u>16</u>	Bushman, W., <i>et al.</i> , "Control of Directionality in Lambda Site Specific Recombination," <i>Science</i> 230:906-911, American Association for the Advancement of Science (1985)

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

JK	AR	<u>17</u>	Burioni, R., <i>et al.</i> , "An improved phage display vector for antibody repertoire cloning by construction of combinatorial libraries," <i>Res. Virol.</i> 148:161-164, Elsevier (1997)
JK	AS	<u>17</u>	Campbell, A. M., "Chromosomal Insertion Sites for Phages and Plasmids," <i>J. Bacteriol.</i> 174:7495-7499, American Society For Microbiology (1992)
JK	AT	<u>17</u>	Capone, J.P., <i>et al.</i> , "Introduction of UAG, UAA, and UGA Nonsense Mutations at a Specific Site in the <i>Escherichia coli</i> Chloramphenicol Acetyltransferase Gene: Use in Measurement of Amber, Ochre, and Opal Suppression in Mammalian Cells," <i>Mol. Cell. Biol.</i> 6:3059-3067, American Society for Microbiology (1986)

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

JK	AR	18	Chanock, R.M., <i>et al.</i> , "Human Monoclonal Antibody Fab Fragments Cloned from Combinatorial Libraries: Potential Usefulness in Prevention and/or Treatment of Major Human Viral Diseases," <i>Infect. Agents Dis.</i> 2:118-131, Raven Press (1993)
JK	AS	18	Chapin, S.J., <i>et al.</i> , "Differential expression of alternatively spliced forms of MAP4: a repertoire of structurally different microtubule-binding domains," <i>Biochem.</i> 34:2289-2301, American Chemical Society (1995)
JK	AT	18	Chatterjee, P.K., and Coren, J.S., "Isolating large nested deletions in bacterial and P1 artificial chromosomes by <i>in vivo</i> P1 packaging of products of Cre-catalyzed recombination between the endogenous and a transposed <i>loxP</i> site," <i>Nucl. Acids Res.</i> 25:2205-2212, Oxford University Press (1997)

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	AN						Yes No
	AO						Yes No
	AP						Yes No

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JK	AR	<u>19</u>	Cherepanov, P.P., and Wackernagel, W., "Gene disruption in <i>Escherichia coli</i> : Tc <sup>R</sup> and Km <sup>R</sup> cassettes with the option of Flp-catalyzed excision of the antibiotic-resistance determinant," <i>Gene</i> 158:9-14, Elsevier Science (1995)
JK	AS	<u>19</u>	Chong, S., <i>et al.</i> , "Single-column purification of free recombinant proteins using a self-cleavable affinity tag derived from a protein splicing element," <i>Gene</i> 192:271-281, Elsevier Science B.V. (1997)
JK	AT	<u>19</u>	Chouluka, A., <i>et al.</i> , "Transfer of single gene-containing long terminal repeats into the genome of mammalian cells by a retroviral vector carrying the cre gene and the loxP site." <i>J Virol.</i> 70:1792-1798, American Society For Microbiology (1996)

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	AN						Yes No
	AO						Yes No
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JK	AR	<u>20</u>	Chuang, C-F., <i>et al.</i> , "Specific and heritable genetic interference by double-stranded RNA in <i>Arabidopsis thaliana</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 97:4985-4990, National Academy of Sciences of the USA (April 2000)
JK	AS	<u>20</u>	Cigan, A.M., <i>et al.</i> , "Mutational Analysis of the <i>HIS4</i> Translational Initiator Region in <i>Saccharomyces cerevisiae</i> ," <i>Mol. Cell. Biol.</i> 8:2964-2975, American Society for Microbiology (1988)
JK	AT	<u>20</u>	CLONTECH, "Creator™ Gene Cloning & Expression System," <i>CLONTECHniques</i> 15:7-11, CLONTECH (April 2000)

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	AL						Yes
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	AM						Yes
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	AN						Yes
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	AO						Yes
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	AP						Yes
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**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

JK	AR	<u>21</u>	CLONTECH, "New Additions to the Creator™ Platform," <i>CLONTECHniques</i> 16:3 pages, CLONTECH (January 2001)
JK	AS	<u>21</u>	CLONTECH, "New Creator™ -Compatible Expression Systems," <i>CLONTECHniques</i> 15:2 pages, CLONTECH (October 2000)
JK	AT	<u>21</u>	CLONTECH, "Creator™ Acceptor Vector Construction Kits" <i>CLONTECHniques</i> 16:2 pages, CLONTECH (October 2001)

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JK	AR	<u>22</u>	CLONTECH, "Creator™ SMART™ Library Construction Kit," <i>CLONTECHniques</i> 16:2 pages, CLONTECH, (October 2001)
JK	AS	<u>22</u>	CLONTECH, "Creator™: The Universal Platform for Analysis of Gene Function," Powerpoint Presentation, pp. 1-9, CLONTECH, (July 24, 2001), available at <a href="http://www.clontech.com/products/families/creator/popups/slpage1.html">http://www.clontech.com/products/families/creator/popups/slpage1.html</a>
JK	AT	<u>22</u>	CLONTECH, "Creator™ pDNR-Dual Cloning Kit," <i>CLONTECHniques</i> 16:3 pages, CLONTECH, (October 2001)

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JK	AR	<u>23</u>	Collis, C.M., and Hall, R.M., "Expression of Antibiotic Resistance Genes in the Integrated Cassettes of Integrans," <i>Antimicrob Agents Chemother</i> 39:155-162, American Society For Microbiology (1995)
JK	AS	<u>23</u>	Cormack, B., "Directed Mutagenesis Using the Polymerase Chain Reaction," in <i>Current Protocols in Molecular Biology, Supplement 37</i> , Ausubel, F.M., <i>et al.</i> , eds., John Wiley & Sons, Inc., Boston, MA, pp. 8.5.1-8.5.10 (1997)
JK	AT	<u>23</u>	Cormack, B., "Mutagenesis by the Polymerase Chain Reaction," in <i>Current Protocols in Molecular Biology, Vol. 1, Supplement 15</i> , Ausubel, F.M., <i>et al.</i> , eds., John Wiley & Sons, Inc., Boston, MA, pp. 8.5.1-8.5.9 (1991)

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JK	AR	<u>24</u>	Cox, M.M., "The FLP protein of the yeast 2- $\mu$ m plasmid: Expression of a eukaryotic genetic recombination system in <i>Escherichia coli</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 80:4223-4227, National Academy of Sciences (1983)
JK	AS	<u>24</u>	Craig, N.L., and Nash, H.A., "The Mechanism of Phage $\lambda$ Site-Specific Recombination: Site-Specific Breakage of DNA by Int Topoisomerase," <i>Cell</i> 35:795-803, Cell Press (1983)
JK	AT	<u>24</u>	Curcio, M.J., and Garfinkel, D.J., "Single-step selection for Ty1 element retrotransposition," <i>Proc. Natl. Acad. Sci. USA</i> 88:936-940, National Academy of Sciences (1991)

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JK	AR	<u>25</u>	Dale, E.C., and Ow, D.W., "Intra- and intermolecular site-specific recombination in plant cells mediated by bacteriophage P1 recombinase," <i>Gene</i> 91:79-85, Elsevier Science (1990)
JK	AS	<u>25</u>	Dale, E.C., and Ow, D.W., "Gene transfer with subsequent removal of the selection gene from the host genome," <i>Proc. Natl. Acad. Sci. USA</i> 88:10558-10562, National Academy of Sciences (1991)
JK	AT	<u>25</u>	Dale, E.C., and Ow, D.W., "Mutations in the Cre/lox Recombination Site Enhance the Stability of Recombination Products: Applications for Gene Targeting in Plants," <i>J. Cell. Biochem. 16 (Suppl. F):</i> 206, abstract no. Y108, Wiley-Liss, Inc. (1992)

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JK	AR	<u>26</u>	Dang, D.T., and Perrimon, N., "Use of a Yeast Site-Specific Recombinase to Generate Embryonic Mosaics in <i>Drosophila</i> ," <i>Dev. Genet.</i> 13:367-375, Wiley-Liss (1992)
JK	AS	<u>26</u>	Datson, N.A., <i>et al.</i> , "MicroSAGE: a modified procedure for serial analysis of gene expression in limited amounts of tissue," <i>Nucl. Acids Res.</i> 27:1300-1307, Oxford University Press (March 1999)
JK	AT	<u>26</u>	Davies, J., and Reichmann, L., "An Antibody VH Domain with a <i>lox</i> -Cre Site Integrated Into its Coding Region: Bacterial Recombination within a Single Polypeptide Chain," <i>FEBS Letts.</i> 377:92-96, Elsevier Science (1995)

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JK	AR	<u>27</u>	Davis, C.R., <i>et al.</i> , "Analysis of the Mechanisms of Action of the <i>Saccharomyces cerevisiae</i> Dominant Lethal <i>cdc42</i> <sup>G12V</sup> and Dominant Negative <i>cdc42</i> <sup>D118A</sup> Mutations," <i>J. Biol. Chem.</i> 273:849-858, The American Society for Biochemistry and Molecular Biology (1998)
JK	AS	<u>27</u>	Degryse, E., "In vivo intermolecular recombination in <i>Escherichia coli</i> : application to plasmid constructions," <i>Gene</i> 170:45-50, Elsevier Science (1996)
JK	AT	<u>27</u>	Deng, M-D., and Coleman, J.R., "Ethanol Synthesis by Genetic Engineering in Cyanobacteria," <i>Appl. Environ. Microbiol.</i> 65:523-528, American Society for Microbiology (February 1999)

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**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

JK	AR	<u>28</u>	Derbyshire, V., and Belfort, M., "Lightning strikes twice: Intron-intein coincidence," <i>Proc. Natl. Acad. Sci. USA</i> 95:1356-1357, National Academy of Sciences of the USA (1998)
JK	AS	<u>28</u>	Devine, S.E., and Boeke, J.D., "Efficient integration of artificial transposons into plasmid targets <i>in vitro</i> : a useful tool for DNA mapping, sequencing and genetic analysis," <i>Nucl. Acids Res.</i> 22:3765-3772, Oxford University Press (September 1994)
JK	AT	<u>28</u>	Diederich, L., <i>et al.</i> , "New Cloning Vectors for Integration into the $\lambda$ Attachment Site <i>attB</i> of the <i>Escherichia coli</i> Chromosome," <i>Plasmid</i> 28:14-24, Academic Press (1992)

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	AP						Yes
							No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

JK	AR	29	Dijkema, R., <i>et al.</i> , "Cloning and Expression of the Chromosomal Immune Interferon Gene of the Rat." <i>EMBO J.</i> 4:761-767, IRL Press Limited (1985)
JK	AS	29	Dymecki, S.M., "A modular set of <i>Flp</i> , <i>FRT</i> and <i>lacZ</i> fusion vectors for manipulating genes by site-specific recombination," <i>Gene</i> 171:197-201, Elsevier North-Holland (June 1996)
JK	AT	29	Elledge, S.J., <i>et al.</i> , "λYES: A multifunctional cDNA expression vector for the isolation of genes by complementation of yeast and <i>Escherichia coli</i> mutations," <i>Proc. Natl. Acad. Sci. USA</i> 88:1731-1735, National Academy of Sciences (1991)

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	AO						Yes
							No
	AP						Yes
							No

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JK	AR	<u>30</u>	Enquist, L.W., and Weisberg, R.A., "The Red Plaque Test: A Rapid Method for Identification of Excision Defective Variants of Bacteriophage Lambda," <i>Virology</i> 72:147-153, Academic Press, Inc. (1976)
JK	AS	<u>30</u>	Esposito, D., <i>et al.</i> , "The integrase family of tyrosine recombinases: evolution of a conserved active site domain," <i>Nucl. Acids Res.</i> 25:3605-3614, Oxford University Press (1997)
JK	AT	<u>30</u>	Feil, R., <i>et al.</i> , "Regulation of Cre Recombinase Activity by Mutated Estrogen Receptor Ligand-Binding Domains," <i>Biochem. Biophys. Res. Comm.</i> 237:752-757, Academic Press (1997)

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JK	AR	<u>31</u>	Feinbaum, R., "Vectors Derived from Plasmids," in <i>Current Protocols in Molecular Biology</i> , Ausubel, F.M., <i>et al.</i> , eds., John Wiley & Sons, Inc., Boston, MA, pp. 1:1.5.1-1.5.17 (1998)
JK	AS	<u>31</u>	Ferguson, J., <i>et al.</i> , "Construction and characterization of three yeast- <i>Escherichia coli</i> shuttle vectors designed for rapid subcloning of yeast genes on small DNA fragments," <i>Gene</i> 16:191-197, Elsevier Science (1981)
JK	AT	<u>31</u>	Fiering, S., <i>et al.</i> , "An 'in-out' strategy using gene targeting and FLP recombinase for the functional dissection of complex DNA regulatory elements: Analysis of the $\beta$ -globin locus control region," <i>Proc. Natl. Acad. Sci. USA</i> 90:8469-8473, National Academy of Sciences (1993)

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JK	AR	<u>32</u>	Filutowicz, M., <i>et al.</i> , "Purification of the <i>Escherichia coli</i> integration host factor (IHF) in one chromatographic step," <i>Gene</i> 147:149-150, Elsevier Science (September 1994)
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JK	AT	<u>32</u>	Flores, A., <i>et al.</i> , "A protein-protein interaction map of yeast RNA polymerase III," <i>Proc. Natl. Acad. Sci. USA</i> 96:7815-7820, National Academy of Sciences (July 1999)

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JK	AR	<u>33</u>	Francia, M.V., <i>et al.</i> , "Gene Integration in the <i>Escherichia coli</i> Chromosome Mediated by Tn21 Integrase (Int21)," <i>J. Bacteriol.</i> 178:894-898, American Society For Microbiology (February 1996)
JK	AS	<u>33</u>	Francia, M.V., <i>et al.</i> , "The IntI1 Integron Preferentially Binds Single-Stranded DNA of the <i>attC</i> Site," <i>J. Bacteriol.</i> 181:6844-6849, American Society for Microbiology (1999)
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JK	AR	<u>34</u>	Gage, P.J., <i>et al.</i> , "A Cell-Free Recombination System for Site-Specific Integration of Multigenic Shuttle Plasmids into Herpes Simplex Type 1 Genome," <i>J. Virol.</i> 66:5509-5515, American Society for Microbiology (1992)
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JK	AT	<u>34</u>	Gay, P., <i>et al.</i> , "Positive Selection Procedure for Entrapment of Insertion Sequence Elements in Gram-Negative Bacteria," <i>J. Bacteriol.</i> 164:918-921, American Society for Microbiology (1985)

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JK	AR	<u>35</u>	Gay, P., <i>et al.</i> , "Cloning Structural Gene <i>sacB</i> , which Codes for Exoenzyme Levansucrase of <i>Bacillus Subtilis</i> : Expression of the Gene in <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 153:1424-1431, American Society for Microbiology (1983)
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JK	AT	39	Hardy, S., <i>et al.</i> , "Construction of Adenovirus Vectors through Cre-lox Recombination," <i>J. Virol.</i> 71:1842-1849, American Society for Microbiology (1997)

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JK	AR	<u>43</u>	Hoess, R.H., <i>et al.</i> , "Mechanism of Strand Cleavage and Exchange in the Cre-lox Site-specific Recombination System," <i>J. Mol. Biol.</i> 181:351-362, Academic Press (1985)
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JK	AR	<u>46</u>	Iino, T., and Kutsukake, K., " <i>Trans-acting Genes of Bacteriophages P1 and Mu Mediate Inversion of a Specific DNA Segment Involved in Flagellar Phase Variation of Salmonella,</i> " <i>Cold Spring Harbor Symposia on Quantitative Biology</i> 45:11-16, Cold Spring Harbor Laboratory Press (1981)
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JK	AR	<u>47</u>	Institut Pasteur Website, Figure 2: <a href="http://www.pasteur.fr/recherche/unites/pmtg/integ/fig2.html">http://www.pasteur.fr/recherche/unites/pmtg/integ/fig2.html</a> (accessed 6/19/2003)
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JK	AT	<u>47</u>	Institut Pasteur Website, Main Page: <a href="http://www.pasteur.fr/recherche/unites/pmtg">http://www.pasteur.fr/recherche/unites/pmtg</a> (accessed 6/19/2003)

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	AN						Yes
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	AO						Yes
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	AP						Yes
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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

JK	AR	<u>48</u>	Invitrogen Online Catalog, "The Echo™ Cloning System: The Future of Cloning is Here," available at: <a href="http://web.archive.org/web/20010112191100/www.invitrogen.com/catalog_project/cat_echo.html">http://web.archive.org/web/20010112191100/www.invitrogen.com/catalog_project/cat_echo.html</a> (accessed July 7, 2004)
JK	AS	<u>48</u>	Jaffé, A., <i>et al.</i> , "Effects of the <i>ccd</i> Function of the F Plasmid on Bacterial Growth," <i>J. Bacteriol.</i> 163:841-849, American Society For Microbiology (1985)
JK	AT	<u>48</u>	Jayaram, M., "The <i>Int</i> Family of Site-specific Recombinases: Some thoughts on a General Reaction Mechanism," <i>J. Genet.</i> 67:29-36, Indian Academy of Sciences (1988)

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JK	AR	<u>49</u>	Jeong, J-H., <i>et al.</i> , "Cloning and nucleotide sequencing of the genes, <i>rplU</i> and <i>rpmA</i> , for ribosomal proteins L21 and L27 of <i>Escherichia coli</i> ," <i>J. DNA Sequencing and Mapping</i> 4:59-67, Harwood Academic Publishers GmbH (1993)
JK	AS	<u>49</u>	Johnson, R.C., <i>et al.</i> , "Isolation of the gene encoding the Hin recombinational enhancer binding protein," <i>Proc. Natl. Acad. Sci. USA</i> 85:3484-3488, National Academy of Sciences (1988)
JK	AT	<u>49</u>	Kanaar, R., <i>et al.</i> , "Gin-Mediated Recombination of Catenated and Knotted DNA Substrates: Implications for the Mechanism of Interaction Between <i>Cis</i> -Acting Sites," <i>Cell</i> 58:147-159, Cell Press (1989)

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JK	AR	<u>50</u>	Kaniga, K., <i>et al.</i> , "A wide-host-range suicide vector for improving reverse genetics in Gram-negative bacteria: inactivation of the <i>blsa</i> gene of <i>Yersinia enterocolitica</i> ," <i>Gene</i> 109:137-141, Elsevier Science (1991)
JK	AS	<u>50</u>	Katz, L., <i>et al.</i> , "Site-specific recombination in <i>Escherichia coli</i> between the <i>att</i> sites of plasmid pSE211 from <i>Saccharopolyspora erithraea</i> ," <i>Mol. Gen. Genet.</i> 227: 155-159, Springer-Verlag (1991)
JK	AT	<u>50</u>	Kealey, J.T., <i>et al.</i> , "Production of Polyketide Natural Product in Nonpolyketide-producing Prokaryotic and Eukaryotic Hosts," <i>Proc. Natl. Acad. Sci. USA</i> 95:505-509, National Academy of Sciences (January 1998)

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JK	AS	<u>51</u>	Kilby, N.J., <i>et al.</i> , "Site-specific recombinases: tools for genome engineering," <i>Trends Genet.</i> 9:413-421, Elsevier Trends Journals (1993)
JK	AT	<u>51</u>	Kim, S., and Landy, A., "Lambda Int Protein Bridges Between Higher Order Complexes at Two Distant Chromosomal Loci <i>attL</i> and <i>attR</i> ," <i>Science</i> 256:198-203, American Association for the Advancement of Science (1992)

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JK	AR	<u>52</u>	Kim, D.W., "Use of the Human Elongation Factor 1a Promoter as a Versatile and Efficient Expression System," <i>Gene</i> 91:217-223, Elsevier Science (1990)
JK	AS	<u>52</u>	Kitts, P.A., and Nash, H.A., "Bacteriophage Lambda Site-Specific Recombination Proceeds with a Defined Order of Strand Exchanges," <i>J. Mol. Biol.</i> 204:95-107, Academic Press, Inc. (1988)
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JK	AR	<u>53</u>	Koch, C., <i>et al.</i> , "Escherichia coli host factor for site-specific DNA inversion: Cloning and characterization of the <i>fis</i> gene," <i>Proc. Natl. Acad. Sci. USA</i> 85:4237-4241, National Academy of Sciences (1988)
JK	AS	<u>53</u>	Kolb, A.F., and Siddell, S.G., "Genomic Targeting with an MBP-Cre Fusion Protein," <i>Gene</i> 183:53-60, Elsevier Science (December 1996)
JK	AT	<u>53</u>	Kouprina, N., <i>et al.</i> , "Rescue of Targeted Regions of Mammalian Chromosomes by in Vivo Recombination in Yeast," <i>Genome Res.</i> 8:666-672, Cold Spring Harbor Research Laboratory Press (1998)

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JK	AR	<u>54</u>	Kozak, M., "Comparison of initiation of protein synthesis in procaryotes, eucaryotes, and organelles," <i>Microbiol. Rev.</i> 47:1-45, American Society For Microbiology (1983)
JK	AS	<u>54</u>	Kozak, M., "An analysis of 5'-noncoding sequences from 699 vertebrate messenger RNAs," <i>Nucl. Acids Res.</i> 15:8125-8132, Oxford University Press (1987)
JK	AT	<u>54</u>	Kozak, M., "Structural features in eukaryotic mRNAs that modulate the initiation of translation," <i>J. Biol. Chem.</i> 266:19867-19870, American Society for Biochemistry and Molecular Biology (1991)

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JK	AR	<u>55</u>	Krafte, D.S., <i>et al.</i> , "Stable Expression and Functional Characterization of a Human Cardiac Na <sup>+</sup> Channel Gene in Mammalian Cells," <i>J. Mol. Cell. Cardiol.</i> 27:823-830, Academic Press Ltd. (1995)
JK	AS	<u>55</u>	Krautwald, S., and Baccarini, M., "Bacterially expressed murine CSF-1 possesses agonistic activity in its monomeric form." <i>Biochem. Biophys. Res. Commun.</i> 192: 720-727, Elsevier Science (1993)
JK	AT	<u>55</u>	Kuempel, P., <i>et al.</i> , "Use of a transposon (Tndif) to obtain suppressing and nonsuppressing insertions of the <i>dif</i> resolvase site of <i>Eschericia coli</i> ," <i>Genes &amp; Development</i> 10:1162-1171, Cold Spring Harbor Laboratory Press (May 1, 1996)

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JK	AR	<u>56</u>	Kühn, R., <i>et al.</i> , "Inducible Gene Targeting in Mice," <i>Science</i> 269:1427-1429, American Association for the Advancement of Science (September 1995)
JK	AS	<u>56</u>	Lafontaine, D., and Tollervey, D., "One-step PCR Mediated Strategy for the Construction of Conditionally Expressed and Epitope Tagged Yeast Proteins," <i>Nucl. Acids Res.</i> 24:3469-3472, Oxford University Press (1996)
JK	AT	<u>56</u>	Lake, J.A., "Evolving Ribosome Structure: Domains in Archaeobacteria, Eubacteria, Eocytes and Eukaryotes," <i>Ann. Rev. Biochem.</i> 54:507-530, Annual Reviews, Inc. (1985)

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JK	AR	<u>57</u>	Lakso, M., <i>et al.</i> , "Targeted oncogene activation by site-specific recombination in transgenic mice," <i>Proc. Natl. Acad. Sci. USA</i> 89:6232-6236, National Academy of Sciences (1992)
JK	AS	<u>57</u>	Lander, E.S., "The new genomics: global views of biology," <i>Science</i> 274:536-539, American Association for the Advancement of Science (October 1996)
JK	AT	<u>57</u>	Landy, A., "Mechanistic and structural complexity in the site-specific recombination pathways of Int and FLP," <i>Curr. Opin. Genet. Dev.</i> 3:699-707, Current Biology (1993)

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JK	AR	59	Lee, E.C., <i>et al.</i> , "Genetic Analysis of <i>Escherichia coli</i> Integration Host Factor Interactions with Its Bacteriophage $\lambda$ H' Recognition Site," <i>J. Bacteriol.</i> 173:609-617, American Society for Microbiology (1991)
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JK	AT	59	Lee, M.H., <i>et al.</i> , "Site-specific integration of mycobacteriophage L5: Integration-proficient vectors for <i>Mycobacterium smegmatis</i> , <i>Mycobacterium tuberculosis</i> , and bacille Calmette-Guérin," <i>Proc. Natl. Acad. Sci. USA</i> 88:3111-3115, National Academy of Sciences (1991)

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JK	AR	60	Lenski, R.E., <i>et al.</i> , "Genetic Analysis of a Plasmid-Encoded, Host Genotype-Specific Enhancement of Bacterial Fitness," <i>J. Bacteriol.</i> 176:3140-3147, American Society For Microbiology (1994)
JK	AS	60	Leong, J.M., <i>et al.</i> , "Generation of single base-pair deletions, insertions, and substitutions by a site-specific recombination system," <i>Proc. Natl. Acad. Sci. USA</i> 82:6990-6994, National Academy of Sciences (1985)
JK	AT	60	Leslie, N.R., and Sherratt, D.H., "Site-specific Recombination in the Replication Terminus Region of <i>Escherichia coli</i> : Functional Replacement of <i>dif</i> ," <i>EMBO J.</i> 14:1561-1570, Oxford University Press (April 1995)

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JK	AR	<u>61</u>	Leung, L.L.K., "Application of Combinatorial Libraries and Protein Engineering to the Discovery of Novel Anti-Thrombotic Drugs," <i>Thromb. Haemost.</i> 74:373-376, F.K. Schattauer Verlagsgesellschaft mbH (1995)
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10/792,035APPLICANTS  
Chesnut *et al.*FILING DATE  
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JK	AR	<u>62</u>	Lorbach, E., <i>et al.</i> , "Site-specific Recombination in Human Cells Catalyzed by Phage $\lambda$ Integrase Mutants," <i>J. Mol. Biol.</i> 296:1175-1181, Academic Press (March 2000)
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JK	AR	<u>63</u>	Mackie, G.A., "Nucleotide Sequence of the Gene for Ribosomal Protein S20 and Its Flanking Regions," <i>J. Biol. Chem.</i> 256:8177-8182, American Society for Biochemistry and Molecular Biology, Inc. (1981)
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JK	AS	<u>69</u>	Mizushima, S., and Nagat, S., "pEF-BOS, a Powerful Mammalian Expression Vector," <i>Nucl. Acids Res.</i> 18:5322, Oxford University Press (1990)
JK	AT	<u>69</u>	Mizuuchi, K., and Mizuuchi, M., "Integrative Recombination of Bacteriophage $\lambda$ : In Vitro Study of the Intermolecular Reaction," <i>Cold Spring Harb. Symp. Quant. Biol.</i> 43:1111-1114, Cold Spring Harbor Laboratory Press (1979)

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JK	AR	<u>75</u>	Nunes-Düby, S.E., <i>et al.</i> , "Similarities and differences among 105 members of the Int family of site-specific recombinases," <i>Nucl. Acids Res.</i> 26:391-406, Oxford University Press (1998)
JK	AS	<u>75</u>	Nunes-Düby, S.E., <i>et al.</i> , "Half-att Site Substrates Reveal the Homology Independence and Minimal Protein Requirements for Productive Synapsis in $\lambda$ Excisive Recombination," <i>Cell</i> 59:197-206, Cell Press (1989)
JK	AT	<u>75</u>	Oberto, J., <i>et al.</i> , "A segment of the phage HK022 chromosome is a mosaic of other lambdoid chromosomes," <i>Nucl. Acids Res.</i> 22:354-356, Oxford University Press (February 1994)

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JK	AR	<u>76</u>	Odell, J.T., <i>et al.</i> , "Seed-specific Gene Activation Mediated by the <i>Cre/lox</i> Site Specific Recombination System," <i>Plant Physiol.</i> 106:447-458, American Society of Plant Physiologists (October 1994)
JK	AS	<u>76</u>	O'Gara, J.P., <i>et al.</i> , "Identification and Molecular Genetic Analysis of Multiple Loci Contributing to High-Level Tellurite Resistance in <i>Rhodobacter sphaeroides</i> 2.4.1," <i>Appl. Environ. Microbiol.</i> 63:4713-4720, American Society for Microbiology (1997)
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JK	AT	79	Pan, G., <i>et al.</i> , "Ligation of Synthetic Activated DNA Substrates by Site-specific Recombinases and Topoisomerase I," <i>J. Biol. Chem.</i> 268:3683-3689, American Society for Biochemistry and Molecular Biology (1993)

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JK	AR	80	Panke, S., <i>et al.</i> , "Engineering of Quasi-Natural <i>Pseudomonas putida</i> Strains for Toluene Metabolism through an <i>ortho</i> -Cleavage Degradation Pathway," <i>Appl. Environ. Microbiol.</i> 64:748-751, American Society for Microbiology (1998)
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JK	AR	<u>81</u>	Peakman, T. C., <i>et al.</i> , "Highly efficient generation of recombinant baculoviruses by enzymatically mediated site-specific <i>in vitro</i> recombination," <i>Nucl. Acids Res.</i> 20:495-500, Oxford University Press (1992)
JK	AS	<u>81</u>	Peredelchuk, M.Y., and Bennett, G.N., "A method for construction of <i>E. coli</i> strains with multiple DNA insertions in the chromosome," <i>Gene</i> 187:231-238, Elsevier Science (1997)
JK	AT	<u>81</u>	Perler, F.B., "InBase, the New England Biolabs Intein Database," <i>Nucl. Acids Res.</i> 27:346-347, Oxford University Press (January 1999)

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JK	AR	<u>82</u>	Persson, M.A.A., "Combinatorial Libraries," <i>Intern. Rev. Immunol.</i> 10:153-63, Harwood Academic Publishers GmbH (1993)
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JK	AT	<u>82</u>	Pichel, J.G., <i>et al.</i> , "Timing of SV40 oncogene activation by site-specific recombination determines subsequent tumor progression during murine lens development," <i>Gene</i> 8:3333-3342, Elsevier Science (1993)

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JK	AR	<u>83</u>	Pierce, J.C., <i>et al.</i> , "A positive selection vector for cloning high molecular weight DNA by the bacteriophage P1 system: Improved cloning efficacy," <i>Proc. Natl. Acad. Sci. USA</i> 89:2056-2060, National Academy of Sciences (1992)
JK	AS	<u>83</u>	Podhajska, A.J., <i>et al.</i> , "Control of cloned gene expression by promoter inversion in vivo: construction of the heat-pulse-activated <i>att-nutL-p-att-N</i> module," <i>Gene</i> 40:163-168, Elsevier Science (1985)
JK	AT	<u>83</u>	Pósfai, G., <i>et al.</i> , "In vivo excision and amplification of large segments of the <i>Escherichia coli</i> genome," <i>Nucl. Acids Res.</i> 22:2392-2398, Oxford University Press (June 1994)

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JK	AS	<u>84</u>	Prasad, P.V., <i>et al.</i> , "Substrate Recognition by the 2 $\mu$ m Circle Site-Specific Recombinase: Effect of Mutations within the Symmetry Elements of the Minimal Substrate," <i>Mol. Cell. Biol.</i> 6:4329-4334, American Society for Microbiology (1986)
JK	AT	<u>84</u>	Prieto, M.A., <i>et al.</i> , "Molecular Characterization of the 4-Hydroxyphenylacetate Catabolic Pathway of <i>Escherichia coli</i> W: Engineering a Mobile Aromatic Degradative Cluster," <i>J. Bacteriol.</i> 178:111-120, American Society for Microbiology (1996)

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JK	AR	<u>85</u>	Qian, X., <i>et al.</i> , "Reactions between Half- and Full-FLP Recombination Target Sites: A Model System for Analyzing Early Steps in FLP Protein-Mediated Site-Specific Recombination," <i>J. Biol. Chem</i> 267:7794-7805, American Society for Biochemistry and Molecular Biology (1992)
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JK	AT	<u>85</u>	Qin, M., <i>et al.</i> , "Site-specific Cleavage of Chromosomes <i>in vitro</i> Through <i>Cre-lox</i> Recombination," <i>Nucl. Acids Res.</i> 23:1923-1927, Oxford University Press (June 1995)

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JK	AT	<u>86</u>	Richet, E., <i>et al.</i> , "Synopsis of Attachment Sites during Lambda Integrative Recombination Involves Capture of a Naked DNA by a Protein-DNA Complex," <i>Cell</i> 52:9-17, Cell Press (1988)

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JK	AR	89	Sandhu, J.S., "Protein Engineering of Antibodies," <i>Crit. Rev. Biotechnol.</i> 12:437-462, CRC Press, Inc. (1992)
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JK	AS	<u>102</u>	Sternberg, N., <i>et al.</i> , "Site-specific Recombination and Its Role in the Life Cycle of Bacteriophage P1," <i>Cold Spring Harbor Symp. Quant. Biol.</i> 45:297-309, Cold Spring Harbor Laboratory Press (1981)
JK	AT	<u>102</u>	Storck, T., <i>et al.</i> , "Rapid construction in yeast of complex targeting vectors for gene manipulation in the mouse," <i>Nucl. Acids Res.</i> 24:4594-4596, Oxford University Press (1996)

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JK	AR	<u>103</u>	Strathmann, M., <i>et al.</i> , "Transposon-facilitated DNA sequencing," <i>Proc. Natl. Acad. Sci. USA</i> 88:1247-1250, National Academy of Sciences (1991)
JK	AS	<u>103</u>	Stryer, L., <i>Biochemistry</i> , 2nd ed., W.H. Freeman and Co., San Francisco, CA, p. 610 (1981)
JK	AT	<u>103</u>	Stuurman, J., <i>et al.</i> , "Single-site manipulation of tomato chromosomes <i>in vitro</i> and <i>in vivo</i> using Cre-lox site-specific recombination," <i>Plant Molecular Biology</i> 32:901-913, Kluwer Academic Publishers (1996)

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JK	AR	<u>104</u>	Sugiura, S., <i>et al.</i> , "Minimal Essential Origin of Plasmid pSC101 Replication: Requirement of a Region Downstream of Iterons," <i>J. Bacteriol.</i> 175:5993-6001, American Society for Microbiology (1993)
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JK	AT	<u>104</u>	Thompson, J.F., <i>et al.</i> , "Mutations in an Integration Host Factor-Binding Site: Effect on Lambda Site-Specific Recombination and Regulatory Implications," <i>J. Bacteriol.</i> 168:1343-1351, American Society For Microbiology (1986)

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JK	AR	<u>105</u>	Thorpe, H.M., and Smith, M.C.M., "In vitro site-specific integration of bacteriophage DNA catalyzed by a recombinase of the resolvase/invertase family," <i>Proc. Natl. Acad. Sci. USA</i> 95:5505-5510, National Academy of Sciences (May 1998)
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JK	AT	<u>105</u>	Uetsuki, T., <i>et al.</i> , "Isolation and Characterization of the Human Chromosomal Gene for Polypeptide Chain Elongation Factor-1a," <i>J. Biol. Chem.</i> 264:5791-5798, The American Society for Biochemistry and Molecular Biology, Inc. (1989)

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JK	AR	<u>107</u>	Vetter, D., <i>et al.</i> , "Site-specific recombination of yeast 2- $\mu$ m DNA <i>in vitro</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 80: 7284-7288, National Academy of Sciences (1983)
JK	AS	<u>107</u>	Voss, S.D., <i>et al.</i> , "The Role of Enhancers in the Regulation of Cell-type-specific Transcriptional Control," <i>Trends Biochem. Sci.</i> 11:287-289, Elsevier Science (1986)
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JK	AR	<u>108</u>	Wang, G., <i>et al.</i> , "pDUAL: A transposon-based cosmid cloning vector for generating nested deletions and DNA sequencing templates <i>in vivo</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 90:7874-7878, National Academy of Sciences (1993)
JK	AS	<u>108</u>	Wasserman, S.A., <i>et al.</i> , "The helical repeat of double-stranded DNA varies as a function of catenation and supercoiling," <i>Nature</i> 334:448-450, Nature Pub. Co. (1988)
JK	AT	<u>108</u>	Waterhouse, P., <i>et al.</i> , "Combinatorial infection and <i>in vivo</i> recombination: a strategy for making large phage antibody repertoires," <i>Nucl. Acids Res.</i> 21:2265-2266, Oxford University Press (1993)

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JK	AR	<u>109</u>	Weisberg, R.A., and Landy, A., "Site-specific Recombination in Phage Lambda," in <i>Lambda II</i> , Hendrix, R.W., <i>et al.</i> , eds., Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY, pp. 211-250 (1983)
JK	AS	<u>109</u>	Wierzbicki, A., <i>et al.</i> , "A Mutational Analysis of the Bacteriophage P1 Recombinase Cre," <i>J. Mol. Biol.</i> 195:785-794, Academic Press (1987)
JK	AT	<u>109</u>	Wild, J., <i>et al.</i> , "A broad-host-range <i>in vivo</i> pop-out and amplification system for generating large quantities of 50- to 100-kb genomic fragments for direct DNA sequencing," <i>Gene</i> 179:181-188, Elsevier Science (1996)

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JK	AR	<u>110</u>	Wild, J., <i>et al.</i> , "Targeting and retrofitting pre-existing libraries of transposon insertions with <i>FRT</i> and <i>oriV</i> elements for in-vivo generation of large quantities of any genomic fragment," <i>Gene</i> 223:55-66, Elsevier Science (1998)
JK	AS	<u>110</u>	Winoto, A., <i>et al.</i> , "Directional Control of Site-specific Recombination by Bacteriophage $\lambda$ ," <i>J. Mol. Biol.</i> 192:677-680, Academic Press (1986)
JK	AT	<u>110</u>	Wittmann, H.G., "Components of Bacterial Ribosomes," <i>Ann. Rev. Biochem.</i> 51:155-183, Annual Reviews, Inc. (1982)

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JK	AS	<u>111</u>	Yang, W., and Mizuuchi, K., "Site-specific recombination in plane view," <i>Structure</i> 5:1401-1406, Cell Press (1997)
JK	AT	<u>111</u>	Yanisch-Perron, C., <i>et al.</i> , "Improved M13 phage cloning vectors and host strains: nucleotide sequences of the M13mp18 and pUC19 vectors," <i>Gene</i> 33:103-119, Elsevier Science (1985)

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JK	AS	<u>113</u>	Zechiedrich, E.L., <i>et al.</i> , "Topoisomerase IV, not gyrase, decatenates products of site-specific recombination in <i>Escherichia coli</i> ," <i>Genes Dev.</i> 11:2580-2592, Cold Spring Harbor Laboratory Press (1997)
JK	AT	<u>113</u>	Zhang, Y., <i>et al.</i> , "A new logic for DNA engineering using recombination in <i>Escherichia coli</i> ," <i>Nat. Genet.</i> 20:123-128, Nature Pub. Co. (1998)

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JK	AS	<u>114</u>	U.S. Patent Application No. 09/438,358, Gerard <i>et al.</i> , filed November 12, 1999 (NOT PUBLISHED)
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JK	AS	<u>115</u>	U.S. Patent Application No. 09/984,239, Brasch <i>et al.</i> , filed October 29, 2001 (NOT PUBLISHED)
JK	AT	<u>115</u>	U.S. Patent Application No. 10/633,690, Byrd <i>et al.</i> , filed August 5, 2003 (NOT PUBLISHED)

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	AP						Yes No

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JK	AR	<u>116</u>	U.S. Patent Application No. 10/877,952, Welch <i>et al.</i> , filed July 28, 2004 (NOT PUBLISHED)
JK	AS	<u>116</u>	U.S. Patent Application No. 10/913,501, Chesnut <i>et al.</i> , filed August 9, 2004 (NOT PUBLISHED)
JK	AT	<u>116</u>	U.S. Patent Application No. 10/970,635, Hanson, filed October 22, 2004 (NOT PUBLISHED)

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## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
0942.5340005/BJD/JKMAPPLICATION NO.  
10/792,035APPLICANTS  
Chesnut *et al.*FILING DATE  
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	AL						Yes
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	AM						Yes
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	AN						Yes
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	AO						Yes
							No
	AP						Yes
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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

JK	AR	<u>117</u>	U.S. Patent Application No. 11/000,371, Chesnut <i>et al.</i> , filed December 1, 2004 (NOT PUBLISHED)
JK	AS	<u>117</u>	Dialog File 351, Derwent World Patent Index, Unverified English Language Abstract for PCT Patent No. WO 98/53056 (Document AL7), WPI Accession No. 12194396
JK	AT	<u>117</u>	Dialog File 351, Derwent World Patent Index, Unverified English Language Abstract for PCT Patent No. WO 99/25851 (Document AO7), WPI Accession No. 12541379

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	AN						Yes
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	AO						Yes
							No
	AP						Yes
							No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

JK	AR	118	Argos, P., <i>et al.</i> , "The integrase family of site-specific recombinases: regional similarities and global diversity," <i>EMBO J.</i> 5:433-440, IRL Press Ltd. (1986)
JK	AS	118	Invitrogen Online Catalog, "The Echo™ Cloning System: The Future of Cloning is Here," available at: <a href="http://invitrogen.com/content.cfm?pageid=3371&amp;cfdid=16767784&amp;cftoken=62396683">http://invitrogen.com/content.cfm?pageid=3371&amp;cfdid=16767784&amp;cftoken=62396683</a> (accessed July 7, 2004)
	AT	118	<del>Office Action for U.S. Patent Application No. 09/907,719, mailed on July 13, 2004</del>

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	AO						Yes No
	AP						Yes No

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	AR	<u>119</u>	<del>Office Action for U.S. Patent Application No. 09/432,085, mailed on July 16, 2004</del>
	AS	<u>119</u>	<del>Office Action for U.S. Patent Application No. 10/058,291, mailed on September 22, 2004</del>
	AT	<u>119</u>	<del>Office Action for U.S. Patent Application No. 10/058,292, mailed on September 22, 2004</del>

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	AO						Yes
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	AP						Yes
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	AR	<u>120</u>	<del>Office Action for U.S. Patent Application No. 09/855,797, mailed on October 1, 2004</del>
	AS	<u>120</u>	<del>Office Action for U.S. Patent Application No. 09/695,065, mailed on October 27, 2004</del>
	AT	<u>120</u>	<del>Office Action for U.S. Patent Application No. 10/820,133 mailed on November 17, 2004</del>

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	AR	<u>121</u>	<del>Office Action for U.S. Patent Application No. 09/907,719 mailed on December 28, 2004</del>
	AS	<u>121</u>	<del>Office Action for U.S. Patent Application No. 09/432,085, mailed on December 28, 2004</del>
	AT	<u>121</u>	<del>Office Action for U.S. Patent Application No. 10/796,868, mailed on January 25, 2005</del>

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JK	AA20	5,451,513	09/19/1995	Maliga <i>et al.</i>			08/25/1993
	AB20	5,965,408	10/12/1999	Short			07/09/1996
	AC20	6,040,138	03/21/2000	Lockhart <i>et al.</i>			09/15/1995
	AD20	6,171,820	01/09/2001	Short			02/04/1999
	AE20	6,238,884	05/29/2001	Short <i>et al.</i>			03/09/1999
	AF20	6,303,301	10/16/2001	Mack			05/29/1998
	AG20	6,309,822	10/30/2001	Fodor <i>et al.</i>			12/23/1996
	AH20	6,333,155	12/25/2001	Lockhart <i>et al.</i>			12/18/1998
	AI20	6,352,842	03/05/2002	Short <i>et al.</i>			03/26/1999
	AJ20	6,358,709	03/19/2002	Short <i>et al.</i>			03/09/2000
	AK20	6,361,974	03/26/2002	Short <i>et al.</i>			03/27/2000

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
JK	AL20	FR 2 670 502	06/19/1992	France			X Yes No
	AM20	WO 92/10577	06/25/1992	WIPO			X Yes No
	AN20	WO 94/20604	09/15/1994	WIPO			Yes No
	AO20	WO 00/29000	05/25/2000	WIPO			Yes No
	AP20	WO 00/52027	09/08/2000	WIPO			Yes No

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JK	AR	<u>200</u>	Agah, R., <i>et al.</i> , "Gene Recombination in Postmitotic Cells. Targeted Expression of Cre Recombinase Provokes Cardiac-restricted, Site-specific Rearrangement in Adult Ventricular Muscle In Vivo," <i>J. Clin. Invest.</i> 100:169-179, The American Society for Clinical Investigation, Inc. (July 1997)
JK	AS	<u>200</u>	Benoist, C. and Chambon, P., " <i>In vivo</i> sequence requirements of the SV40 early promoter region," <i>Nature</i> 290:304-310, Macmillan Journals, Ltd. (1981)
JK	AT	<u>200</u>	Botstein, D., <i>et al.</i> , "Making Mutations <u>In Vitro</u> and Putting Them Back Into Yeast," in <i>From Gene to Protein: Translation into Biotechnology</i> , Ahmad, F., <i>et al.</i> , eds., Academic Press, New York, NY, pp. 265-274 (1982)

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JK	AA21	6,455,254	09/24/2002	Short			05/15/2000
	AB21	2002/0162126	10/31/2002	Beach <i>et al.</i>			05/24/2001
	AC21	6,479,258	11/12/2002	Short			01/31/2000
	AD21	6,489,145	12/03/2002	Short			10/31/1997
	AE21	6,537,776	03/25/2003	Short			06/14/1999
	AF21	6,544,790	04/08/2003	Sabatini			09/18/2000
	AG21	2003/0135888	07/17/2003	Zhu <i>et al.</i>			09/26/2002
	AH21	6,605,449	08/12/2003	Short			06/14/2000
	AI21	2003/0175772	09/18/2003	Wang			12/26/2002
	AJ21	6,632,600	10/14/2003	Short			11/15/2000
	AK21	6,709,841	03/23/2004	Short			03/01/2002

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
JK	AL21	WO 00/52141	09/08/2000	WIPO			Yes No
	AM21	WO 01/25466	04/12/2001	WIPO			Yes No
	AN21	WO 01/42509	06/14/2001	WIPO			Yes No
	AO21	WO 01/68836	09/20/2001	WIPO			Yes No
	AP21	WO 02/46372	06/13/2002	WIPO			Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

JK	AR	<u>201</u>	Broach, J.R., "The Yeast Plasmid 2 $\mu$ Circle," <i>Cell</i> 28:203-204, MIT (1982)
JK	AS	<u>201</u>	Cenatiempo, Y., "Prokaryotic gene expression <i>in vitro</i> : transcription-translation coupled systems," <i>Biochimie</i> 68:505-515, Elsevier (1986)
JK	AT	<u>201</u>	Christiansen, B., <i>et al.</i> , "A Resolvase-Like Protein Is Required for the Site-Specific Integration of the Temperate Lactococcal Bacteriophage TP901-1," <i>J. Bacteriol.</i> 178:5164-5173, American Society for Microbiology (September 1996)

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JK	AA22	6,713,279	03/30/2004	Short			02/04/2000
	AB22	6,713,282	03/30/2004	Short <i>et al.</i>			03/14/2002
	AC22	6,740,506	05/25/2004	Short <i>et al.</i>			06/19/2001
	AD22	6,773,900	08/10/2004	Short <i>et al.</i>			03/05/2003
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
JK	AL22	WO 02/062957	08/15/2002	WIPO			Yes No
	AM22	WO 02/086144	10/31/2002	WIPO			Yes No
	AN22	WO 02/095055	11/28/2002	WIPO			Yes No
	AO22	WO 03/044207	05/30/2003	WIPO			Yes No
	AP22	WO 04/009768	01/29/2004	WIPO			Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

JK	AR	202	Crellin, P.K. and Rood, J.I., "The Resolvase/Invertase Domain of the Site-Specific Recombinase TnpX Is Functional and Recognizes a Target Sequence That Resembles the Junction of the Circular Form of the <i>Clostridium perfringens</i> Transposon Tn4451," <i>J. Bacteriol.</i> 179:5148-5156, American Society for Microbiology (August 1997)
JK	AS	202	Ferrin, L.J. and Camerini-Otero, R.D., "Sequence-specific ligation of DNA using RecA protein," <i>Proc. Natl. Acad. Sci. USA</i> 95:2152-2157, National Academy of Sciences (March 1998)
JK	AT	202	Golic, K.G. and Golic, M.M., "Engineering the Drosophila Genome: Chromosome Rearrangements by Design," <i>Genetics</i> 144:1693-1711, The Genetics Society of America (1996)

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JK	AL23	WO 04/013290	02/12/2004	WIPO	<del>          </del>		Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

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JK	AR	<u>203</u>	Gottesman, S., "Bacterial Regulation: Global Regulatory Networks," <i>Ann. Rev. Genet.</i> 18:415-441, Annual Reviews, Inc. (1984)
JK	AS	<u>203</u>	Guo, F., <i>et al.</i> , "Structure of Cre recombinase complexed with DNA in a site-specific recombination synapse," <i>Nature</i> 389:40-46, Nature Publishing Group (September 1997)
JK	AT	<u>203</u>	Hallet, B. and Sherratt, D.J., "Transposition and site-specific recombination: adapting DNA cut-and-paste mechanisms to a variety of genetic rearrangements," <i>FEMS Microbiol. Rev.</i> 21:157-178, Elsevier Science B.V. (September 1997)

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	AN						Yes No
	AO						Yes No
	AP						Yes No

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JK	AR	<u>204</u>	Hamer, D.H. and Walling, M., "Regulation <i>In Vivo</i> of a Cloned Mammalian Gene: Cadmium Induces the Transcription of a Mouse Metallothionein Gene in SV40 Vectors," <i>J. Mol. Appl. Genet.</i> 1:273-288, Raven Press (1982)
JK	AS	<u>204</u>	Hanks, S.K. and Hunter, T., "The eukaryotic protein kinase superfamily: kinase (catalytic) domain structure and classification," <i>FASEB J.</i> 9:576-596, The Federation of American Societies for Experimental Biology (May 1995)
JK	AT	<u>204</u>	Huang, L-C., <i>et al.</i> , "Convenient and Reversible Site-Specific Targeting of Exogenous DNA into a Bacterial Chromosome by Use of the FLP Recombinase: the FLIRT System," <i>J. Bacteriol.</i> 179:6076-6083, American Society for Microbiology (October 1997)

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	AN						Yes
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	AO						Yes
							No
	AP						Yes
							No

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JK	AR	<u>205</u>	John, Jr., J.F. and Twitty, J.A., "Plasmids as Epidemiologic Markers in Nosocomial Gram-Negative Bacilli: Experience at a University and Review of the Literature," <i>Rev. Infect. Dis.</i> 8:693-704, University of Chicago (1986)
JK	AS	<u>205</u>	Johnston, S.A. and Hopper, J.E., "Isolation of the yeast regulatory gene <i>GAL4</i> and analysis of its dosage effects on the galactose/melibiose regulon," <i>Proc. Natl. Acad. Sci. USA</i> 79:6971-6975, National Academy of Sciences (1982)
JK	AT	<u>205</u>	Kendall, K.J. and Cohen, S.N., "Plasmid Transfer in <i>Streptomyces lividans</i> : Identification of a <i>kil-kor</i> System Associated with the Transfer Region of pIJ101," <i>J. Bacteriol.</i> 169:4177-4183, American Society for Microbiology (1987)

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JK	AS	<u>206</u>	Maniatis, T., "Recombinant DNA Procedures in the Study of Eukaryotic Genes," in <i>Cell Biology: A Comprehensive Treatise, Volume 3, Gene Expression: The Production of RNA's</i> , Goldstein, L., and Prescott, D.M., eds., Academic Press, Inc., New York, NY, pp. 563-608 (1980)
JK	AT	<u>206</u>	Mayer, B.J. and Baltimore, D., "Signalling through SH2 and SH3 domains," <i>Trends Cell Biol.</i> 3:8-13, Elsevier Science (1993)

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FORM PTO-1449

**FIRST SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT**

ATTY. DOCKET NO.  
0942.5340005/BJD/JKM

APPLICATION NO.  
10/792,035

APPLICANTS  
Chesnut *et al.*

FILING DATE  
March 4, 2004

ART UNIT  
1636

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
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**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

JK	AR	<u>207</u>	McKnight, S.L., "Functional Relationships between Transcriptional Control Signals of the Thymidine Kinase Gene of Herpes Simplex Virus," <i>Cell</i> 31:355-365, MIT (1982)
JK	AS	<u>207</u>	Nunes-Düby, S.E., <i>et al.</i> , "λ Integrase cleaves DNA <i>in cis</i> ," <i>EMBO J.</i> 13:4421-4430, Oxford University Press (1994)
JK	AT	<u>207</u>	Odell, J., <i>et al.</i> , "Site-directed recombination in the genome of transgenic tobacco," <i>Mol. Gen. Genet.</i> 223:369-378, Springer-Verlag (1990)

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

JK	AR	<u>208</u>	Peterson, B.Ø. and Shuman, S., "Hisitidine 265 Is Important for Covalent Catalysis by Vaccinia Topoisomerase and Is Conserved in All Eukaryotic Type I Enzymes," <i>J. Biol. Chem.</i> 272:3891-3896, The American Society for Biochemistry and Molecular Biology, Inc. (February 1997)
JK	AS	<u>208</u>	Rausch, H. and Lehmann, M., "Structural analysis of the actinophage ΦC31 attachment site," <i>Nucleic Acids Res.</i> 19:5187-5189, IRL Press (1991)
JK	AT	<u>208</u>	Sadowski, I., <i>et al.</i> , "A Noncatalytic Domain Conserved among Cytoplasmic Protein-Tyrosine Kinases Modifies the Kinase Function and Transforming Activity of Fujinami Sarcoma Virus P130 <sup>gag-fps</sup> ," <i>Mol. Cell. Biol.</i> 6:4396-4408, American Society for Microbiology (1986)

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	AO						Yes
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	AP						Yes
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**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

JK	AR	<u>209</u>	Sauer, B. and Henderson, N., "Targeted Insertion of Exogenous DNA into the Eukaryotic Genome by the Cre Recombinase," <i>New Biol.</i> 2:441-449, Saunders Scientific Publications/W.B. Saunders Company (1990)
JK	AS	<u>209</u>	Senecoff, J.F., <i>et al.</i> , "The FLP recombinase of the yeast 2- $\mu$ m plasmid: Characterization of its recombination site," <i>Proc. Natl. Acad. Sci. USA</i> 82:7270-7274, National Academy of Sciences (1985)
JK	AT	<u>209</u>	Shaikh, A.C. and Sadowski, P.D., "The Cre Recombinase Cleaves the <i>lox</i> Site in <i>trans</i> ," <i>J. Biol. Chem.</i> 272:5695-5702, The American Society for Biochemistry and Molecular Biology, Inc. (February 1997)

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**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

JK	AR	<u>210</u>	Shirai, M., <i>et al.</i> , "Site-Specific Integration of the Actinophage R4 Genome into the Chromosome of <i>Streptomyces parvulus</i> upon Lysogenization," <i>J. Bacteriol.</i> 173:4237-4239, American Society for Microbiology (1991)
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JK	AT	<u>210</u>	Shuman, S., "Site-specific Interaction of Vaccinia Virus Topoisomerase I with Duplex DNA. Minimal DNA Substrate for Strand Cleavage <i>In Vitro</i> ," <i>J. Biol. Chem.</i> 266:11372-11379, The American Society for Biochemistry and Molecular Biology, Inc. (1991)

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**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

JK	AR	<u>211</u>	Shuman, S., "Erratum: Site-specific Interaction of Vaccinia Virus Topoisomerase I with Duplex DNA. Minimal DNA Substrate for Strand Cleavage <i>In Vitro</i> ," <i>J. Biol. Chem.</i> 266:20576-20577, The American Society for Biochemistry and Molecular Biology, Inc. (1991)
JK	AS	<u>211</u>	Silver, P.A., <i>et al.</i> , "Amino terminus of the yeast <i>GAL4</i> gene product is sufficient for nuclear localization," <i>Proc. Natl. Acad. Sci. USA</i> 81:5951-5955, National Academy of Sciences (1984)
JK	AT	<u>211</u>	Stark, W.M., <i>et al.</i> , "Catalysis by site-specific recombinases," <i>Trends Genet.</i> 8:432-439, Elsevier Science (1992)

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

JK	AR	<u>212</u>	Ulmanen, I., <i>et al.</i> , "Transcription and Translation of Foreign Genes in <i>Bacillus subtilis</i> by the Aid of a Secretion Vector," <i>J. Bacteriol.</i> 162:176-182, American Society for Microbiology (1985)
JK	AS	<u>212</u>	van Deursen, J., <i>et al.</i> , "Cre-mediated site-specific translocation between nonhomologous mouse chromosomes," <i>Proc. Natl. Acad. Sci. USA</i> 92:7376-7380, National Academy of Sciences (1995)
JK	AT	<u>212</u>	Ward, J.M., <i>et al.</i> , "Construction and characterisation of a series of multi-copy promoter-probe plasmid vectors for <i>Streptomyces</i> using the aminoglycoside phosphotransferase gene from Tn5 as indicator," <i>Mol. Gen. Genet.</i> 203:468-478, Springer-Verlag (1986)

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	AO						Yes No
	AP						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

JK	AR	<u>213</u>	Invitrogen Life Technologies online catalog, "Directional TOPO Entry Vectors," 4 pages, accessed September 27, 2002, available at: <a href="http://www.invitrogen.com/content.cfm?pageid=3799&amp;cfid=2897960&amp;cftoken=88086554">http://www.invitrogen.com/content.cfm?pageid=3799&amp;cfid=2897960&amp;cftoken=88086554</a>
JK	AS	<u>213</u>	Dialog File 351, Derwent World Patent Index, English Language Abstract for French Patent No. FR 2 670 502 (Document AL20) and PCT Patent No. WO 92/10577 (Document AM20), WPI Accession No. 9107201
JK	AT	<u>213</u>	Baum, J.A., "Tn5401, a New Class II Transposable Element From <i>Bacillus thuringiensis</i> ," <i>J. Bacteriol.</i> 176:2835-2845, American Society for Microbiology (1994)

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	AM						Yes
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	AN						Yes
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	AO						Yes
							No
	AP						Yes
							No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

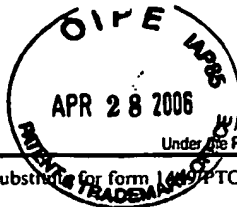
JK	AR	<u>214</u>	Short, J.M., <i>et al.</i> , "λ ZAP: a bacteriophage λ expression vector with <i>in vivo</i> excision properties," <i>Nucleic Acids Res.</i> 16:7583-7600, Oxford University Press (1988)
JK	AS	<u>214</u>	U.S. Patent Application No. 10/991,803, Carrino <i>et al.</i> , filed November 17, 2004 (NOT PUBLISHED)
	AT		

EXAMINER /James Ketter/

DATE CONSIDERED 07/14/2006

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Sheet <b>1</b> of <b>2</b>				Application Number <b>10/792,035</b>	
				Filing Date <b>March 4, 2004</b>	
				First Named Inventor <b>Jonathan D. CHESNUT</b>	
				Art Unit <b>1636</b>	
				Examiner Name <b>Ketter, James S.</b>	
				Attorney Docket Number <b>0942.5340005/BJD/JKM</b>	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
JK	AE22	5,552,314	09/03/1996	Greener	
	AF22	5,695,971	12/09/1997	Kadokami <i>et al.</i>	
	AG22	5,910,438	06/08/1999	Bernard <i>et al.</i>	
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	AB23	6,121,043	09/19/2000	Cochran <i>et al.</i>	
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	AE23	6,165,782	12/26/2000	Naldini <i>et al.</i>	
	AF23	6,228,646	05/08/2001	Hardy	
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	AH23	6,281,000	08/28/2001	Chartier <i>et al.</i>	
	AI23	6,548,277	04/15/2003	Shuman	
	AJ23	6,576,463	06/10/2003	Kasahara <i>et al.</i>	
	AK23	6,916,632	07/12/2005	Chesnut <i>et al.</i>	
	AA24	6,964,861	11/15/2005	Gerard <i>et al.</i>	
	AB24	2003/0022179 A1	01/30/2003	Chesnut <i>et al.</i>	

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)			
JK	AM23	WO 96/23904 A1	08/08/1996	Replicon, Inc.	
	AN23	WO 97/47758 A1	12/18/1997	Massachusetts Institute of Technology	
	AO23	WO 98/38326 A1	09/03/1998	Nature Technology Corporation	
	AP23	WO 98/56943 A1	12/17/1998	Sloan Kettering Inst. Cancer; Invitrogen Corp.	
	AL24	WO 2005/012487 A2	02/10/2005	Invitrogen Corporation	
	AM24	WO 2005/014796 A2	02/17/2005	Invitrogen Corporation	

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Examiner Signature	/James Ketter/	Date Considered	07/14/2006
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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				Application Number	10/792,035	
				Filing Date	March 4, 2004	
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				Art Unit	1636	
Examiner Name	Ketter, James S.					
Attorney Docket Number	0942.5340005/BJD/JKM					
Sheet	2	of	2			

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JK	AC24	2003/0175772 A1	09/18/2003	Wang, Jiwu	
	AD24	2004/0132133 A1	07/08/2004	Bennett, Robert P.	
	AE24	2004/0253620 A1	12/16/2004	Leong <i>et al.</i>	
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	AI24	2005/0181417 A1	08/18/2005	Miles <i>et al.</i>	
	AJ24	2005/0208530 A1	09/22/2005	Chesnut <i>et al.</i>	
	AK24	2006/0035269 A1	02/16/2006	Hartley <i>et al.</i>	
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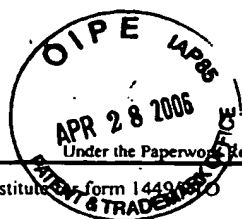
FOREIGN PATENT DOCUMENTS						
Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>

Examiner Signature	/James Ketter/	Date Considered	07/14/2006
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		First Named Inventor	Jonathan D. CHESNUT
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		Examiner Name	Ketter, James S.
		Attorney Docket Number	0942.5340005/BJD/JKM
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JK	AT214	Alonso, J.C., "Site-specific recombination in Gram-positive theta-replicating plasmids," <i>FEMS Microbiol. Lett.</i> 142:1-10, Elsevier Science B.V. (1996)	
JK	AR215	Amin, A.A., <i>et al.</i> , "Synthesis of an Enzymatically Active FLP Recombinase In Vitro: Search for a DNA-Binding Domain," <i>Molec. Cell. Biol.</i> 9: 1987-1995, American Society for Microbiology (1989)	
JK	AS215	Andersen, A.H., <i>et al.</i> , "Studies if the Topoisomerase II-mediated Cleavage and Religation Reactions by Use of a Suicidal Double-stranded DNA Substrate," <i>J. Biol. Chem.</i> 266:9203-9210, The American Society for Biochemistry and Molecular Biology, Inc. (1991)	
JK	AT215	Aoki, K., <i>et al.</i> , "Efficient Generation of Recombinant Adenoviral Vectors bt Cre-lox Recombination In Vitro," <i>Molec. Med.</i> 5:224-231, Springer (1999)	
JK	AR216	Berger, J.M., "Structure of DNA topoisomerase," <i>Biochim. Biophys. Acta</i> 1400:3-18, Elsevier Science B.V. (1999)	
JK	AS216	Bliska, J.B and Cozzarelli, N.R., "Use of Site-Specific Recombination as a Probe of DNA Structure and Metabolism <i>in Vivo</i> ," <i>J. Molec. Biol.</i> 194:205-218, Academic Press Inc. (1987)	
JK	AT216	Carninci, P. and Hayashizaki, Y., "High-Efficiency Full-Length cDNA Cloning," <i>Meth. Enzymol.</i> 303:19-44, Academic Press (1999)	
JK	AR217	Caron, P.R. and Wang, J.C., "Appendix II: Alignment of Primary Sequences of DNA Topoisomerases," <i>Adv. Pharmacol.</i> 29B:271-297, Academic Press, Inc. (1994)	
JK	AS217	Chatterjee, P.K. and Sternberg, N.L., "Retrofitting High Molecular Weight DNA Cloned in P1: Introduction of Reporter Genes, Markers Selectable in Mammalian Cells and Generation of Nested Deletions," <i>Genet. Anal.: Biomolec. Eng.</i> 13:33-42, Elsevier Science B.V. (1996)	
JK	AT217	Cheng, C. and Shuman, S., "Recombinogenic Flap Ligation Pathway for Intrinsic Repair of Topoisomerase IB-Induced Double-Strand Breaks," <i>Mol. Cell. Biol.</i> 20:8059-8068, American Society for Microbiology (2000)	

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				Application Number	10/792,035
				Filing Date	March 4, 2004
				First Named Inventor	Jonathan D. CHESNUT
				Art Unit	1636
				Examiner Name	Ketter, James S.
				Attorney Docket Number	0942.5340005/BJD/JKM
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JK	AR218	Cheng, C., <i>et al.</i> , "Conservation of Structure and Mechanism between Eukaryotic Topoisomerase I and Site-Specific Recombinases," <i>Cell</i> 92841-850, Cell Press (1998)	
JK	AS218	DiGate, R.J. and Mariani, K.J., "Molecular Cloning and DNA Sequence Analysis of Escherichia coli topB, the Gene Encoding Topoisomerase III," <i>J. Biol. Chem.</i> 264:17924-17930, The American Society for Biochemistry and Molecular Biology, Inc. (1989)	
JK	AT218	Gotou, N., <i>et al.</i> , "Gateway™ Cloning Technology," <i>Exp. Med. Sci.</i> 18:2716-2717, Invitrogen Corporation (2000)	Yes
JK	AR219	English language translation for Gotou, N., <i>et al.</i> , "Gateway, Cloning Technology," <i>Exp. Med. Sci.</i> 18:2716-2717, Invitrogen Corporation (2000)	
JK	AS219	Gupta, M., <i>et al.</i> , "Eukaryotic DNA topoisomerases I," <i>Biochim. Biophys. Acta</i> 1262:1-14, Elsevier Science B.V. (1995)	
JK	AT219	Hanai, R., <i>et al.</i> , "Human TOP3: A single-copy gene encoding DNA topoisomerase III," <i>Proc. Natl. Acad. Sci. USA</i> 93:3653-3657, The National Academy of Sciences (1996)	
JK	AR220	Huang, L.-C., <i>et al.</i> , "A bacterial model system for chromosomal targeting," <i>Nucl. Acids Res.</i> 19:443-448, Oxford University Press (1991)	
JK	AS220	Kanegae, Y., <i>et al.</i> , "Efficient gene activation in mammalian cells by using recombinant adenovirus expressing site-specific Cre recombinase," <i>Nucl. Acids Res.</i> 23:3816-3821, Oxford University Press (1995)	
JK	AT220	Kijima, T., <i>et al.</i> , "Application of the Cre Recombinase/loxP System Further Enhances Antitumor Effects in Cell Type-specific Gene Therapy against Carcinoembryonic Antigen-producing Cancer," <i>Canc. Res.</i> 59:4906-4911, American Association for Cancer Research, Inc. (1999)	

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		First Named Inventor	Jonathan D. CHESNUT
		Art Unit	1636
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		Attorney Docket Number	0942.5340005/BJD/JKM
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JK	AR221	Kim, R.A. and Wang, J.C., "Identification of the Yeast TOP3 Gene Product as a Single Strans-specific DNA Topoisomerase," <i>J. Biol. Chem.</i> 267:17178-17185, The American Society for Biochemistry and Molecular Biology, Inc. (1992)	
JK	AS221	Kisu, Y., <i>et al.</i> , "Development of high accuracy and high through put production multi purpose Gateway entry clones production. I. Improvement of the PCR condition for construction of the entry clone," abstract available at <a href="http://biotech.nikkeibp.co.jp/netlink/Ito/gateway/new_info/contents9.html">http://biotech.nikkeibp.co.jp/netlink/Ito/gateway/new_info/contents9.html</a> , (2000)	Abs
JK	AT221	Kisu, Y., <i>et al.</i> , "Development of high-throughput technology of entry clones of the multi-purpose Gateway cloning system (III): An improved method for high-efficient and high-fidelity construction of the entry clones," <i>Poster Session of the Annual Meeting of Japan Society of Molecular Biology</i> , Abstract No. 2P-730 (December 2001)	Yes
JK	AR222	English language translation of Kisu, Y., <i>et al.</i> , "Development of high-throughput technology of entry clones of the multi-purpose Gateway cloning system (III): An improved method for high-efficient and high-fidelity construction of the entry clones," <i>Poster Session of the Annual Meeting of Japan Society of Molecular Biology</i> , Abstract No. 2P-730 (December 2001)	
JK	AS222	Li, Z., <i>et al.</i> , "The traE Gene of Plasmid RP4 Encodes a Homologue of Escherichia coli DNA Topoisomerase III," <i>J. Biol. Chem.</i> 272:19582-19587, The American Society for Biochemistry and Molecular Biology, Inc. (1997)	
JK	AT222	Lieber, A., <i>et al.</i> , "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Excision Exhibit Different Biological Properties Compared with First-Generation Vectors In Vitro and In Vivo," <i>J. Virol.</i> 70:8944-8960, American Society for Microbiology (1996)	
JK	AR223	Liu, X. and Gorovsky, M.A., "Mapping the 5' and 3' Ends of <i>Tetrahymena thermophila</i> mRNAs Using RNA Ligase Mediated Amplification of cDNA Ends (RLM-RACE)," <i>Nucl. Acids Res.</i> 21:4954-4960, Oxford University Press (1993)	
JK	AS223	Ng, P., <i>et al.</i> , "A High-Efficiency Cre//loxP-Based System for Construction of Adenoviral Vectors," <i>Human Gene Ther.</i> 10:2667-2672, Mary Ann Liebert, Inc. (1999)	

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				Filing Date	March 4, 2004
				First Named Inventor	Jonathan D. CHESNUT
				Art Unit	1636
				Examiner Name	Ketter, James S.
				Attorney Docket Number	0942.5340005/BJD/JKM
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JK	AT223	"pENTR Directional TOPO® Cloning Kits," <i>Invitrogen Manual</i> , catalog nos. K2400-20, K2400-480, K2400-500, K2420-20, K2420-80, K2420-500, Version B, Invitrogen Corporation, Carlsbad, CA, 48 pages (July 2002)	
JK	AR224	Petersen, B.Ø., <i>et al.</i> , "Characterization of a DNA Topoisomerase Encoded by <i>Amsacta moorei</i> Entomopoxvirus," <i>Virol.</i> 230:197-206, Academic Press (1997)	
JK	AS224	Pfeifer, A., <i>et al.</i> , "Delivery of the Cre recombinase by a self-deleting lentiviral vector: Efficient gene targeting <i>in vivo</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 98:11450-11455, National Academy of Science (September 2001)	
JK	AT224	"pLenti6/V5 Directional TOPO® Cloning Kit," <i>Invitrogen Manual</i> , catalog no. K4955-10, Version B, Invitrogen Corporation, Carlsbad, CA, 52 pages (May 2002)	
JK	AR225	Roca, J. and Wang, J.C., "The Capture of a DNA Double Helix by an ATP-Dependent Protein Clamp: A Key Step in DNA Transport by Type II DNA Topoisomerases," <i>Cell</i> 71:833-840, Cell Press (1992)	
JK	AS225	Sekiguchi, J. and Shuman, S., "Requirements for noncovalent binding of vaccinia topoisomerase I to duplex DNA," <i>Nucl. Acids Res.</i> 22:5360-5365, Oxford University Press (1994)	
JK	AT225	Shashikant, C.S., <i>et al.</i> , "Recombinogenic targeting: a new approach to genomic analysis - a review," <i>Gene</i> 223:9-20, Elsevier Science B.V. (1998)	
JK	AR226	Shuman, S., "Vaccinia virus DNA topoisomerase: a model eukaryotic type IB enzyme," <i>Biochim. Biophys. Acta</i> 1400:321-337, Elsevier Science B.V. (1998)	
JK	AS226	Shuman, S. and Bernard M., "Identification of a vaccinia virus gene encoding a type I DNA topoisomerase," <i>Proc. Natl. Acad. Sci. USA</i> 84:7478-7482, National Academy of Sciences (1987)	
JK	AT226	Walhout, A.J.M., "Protein Interaction Mapping in <i>C. elegans</i> Using Protein Involved in Vulval Development," <i>Science</i> 287:116-122, American Association for the Advancement of Science (2000)	

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JK	AR227	Walhout, A.J.M., "GATEWAY Recombinational Cloning: Application to the Cloning of Large Numbers of Open Reading Frames or ORFeomes," <i>Meth. Enzymol.</i> 328:575-592, Academic Press (2000)	
JK	AS227	Wang, J.C., "DNA Topoisomerases: Why So Many?," <i>J. Biol. Chem.</i> 266:6659-6662, The American Society for Biochemistry and Molecular Biology, Inc. (1991)	
JK	AT227	Wang, Y., <i>et al.</i> , "Targeted DNA recombination in vivo using an adenovirus carrying the cre recombinase gene," <i>Proc. Natl. Acad. Sci. USA</i> 93:3932-3936, National Academy of Sciences (1996)	
JK	AR228	Wilson, T.M., <i>et al.</i> , "Cloning and Characterization of <i>Drosophila</i> Topoisomerase III $\beta$ ," <i>J. Biol. Chem.</i> 275:1533-1540, The American Society for Biochemistry and Molecular Biology, Inc. (2000)	
JK	AS228	Yahata, K., <i>et al.</i> , "Development of high accuracy and high through put production of multi purpose Gateway entry clones. Very low mutation frequency in constructing 60 entry clones of human full length cDNAs," abstract available at <a href="http://biotech.nikkeibp.co.jp/netlink/Ito/gateway/new_info/contents9.html">http://biotech.nikkeibp.co.jp/netlink/Ito/gateway/new_info/contents9.html</a> (2000)	Abs
JK	AT228	Yahata, K., <i>et al.</i> , "Development of high accuracy and high-throughput production method of the entry clone of multi-purpose Gateway system. (IV) Improvement of DNA sequencing method for Gateway entry clones," <i>Poster Session of the Annual Meeting of Japan Society of Molecular Biology</i> , Abstract No. 2P-731 (December 2001)	Yes
JK	AR229	English language translation of Yahata, K., <i>et al.</i> , "Development of high accuracy and high-throughput production method of the entry clone of multi-purpose Gateway system. (IV) Improvement of DNA sequencing method for Gateway entry clones," <i>Poster Session of the Annual Meeting of Japan Society of Molecular Biology</i> , Abstract No. 2P-731 (December 2001)	
JK	AS229	Zhang, H.L., <i>et al.</i> , " <i>Escherichia coli</i> DNA Topoisomerase III Is a Site-specific DNA Binding Protein That Binds Asymmetrically to Its Cleavage Site," <i>J. Biol. Chem.</i> 270:23700-23705, The American Society for Biochemistry and Molecular Biology, Inc. (1995)	

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	AT229	<del>Copy of Office Action for United States Patent Application No. 09/432,063, Hartley et al., mailed June 16, 2005</del>	
	AR230	<del>Copy of Office Action for United States Patent Application No. 09/517,466, Hartley et al., mailed November 18, 2005</del>	
	AS230	<del>Copy of Office Action for United States Patent Application No. 09/855,797, Hartley et al., mailed April 20, 2005</del>	
	AT230	<del>Copy of Office Action for United States Patent Application No. 09/855,797, Hartley et al., mailed October 11, 2005</del>	
	AR231	<del>Copy of Office Action for United States Patent Application No. 09/907,719, Hartley et al., mailed July 26, 2005</del>	
	AS231	<del>Copy of Office Action for United States Patent Application No. 10/058,291, Hartley et al., mailed April 28, 2005</del>	
	AT231	<del>Copy of Office Action for United States Patent Application No. 10/058,291, Hartley et al., mailed October 21, 2005</del>	
	AR232	<del>Copy of Office Action for United States Patent Application No. 10/058,292, Hartley et al., mailed May 26, 2005</del>	
	AS232	<del>Copy of Office Action for United States Patent Application No. 10/058,292, Hartley et al., mailed November 18, 2005</del>	
	AT232	<del>Copy of Office Action for United States Patent Application No. 10/151,690, Brascher et al., mailed April 18, 2005</del>	

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	AR233	<del>Copy of Office Action for United States Patent Application No. 10/162,879, Hartley et al., mailed April 28, 2005</del>	
	AS233	<del>Copy of Office Action for United States Patent Application No. 10/162,870, Hartley et al., mailed October 20, 2005</del>	
JK	AT233	United States Patent Application No. 11/106,715, Byrd et al., filed April 15, 2005	
JK	AR234	United States Patent Application No. 11/290,804, Gray et al., filed December 1, 2005	

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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